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CHICAGO POULTRY LETTER

MAY

DEVOTED TO THE INTERESTS OF

STANDARD AND COMMERCIAL POULTRY, BEE RAISING

LIVE STOCK AND THE GENERAL FARMER.

CHOICE EGGS

-o-

AT HALF PRICE

—FROM—

EVERYTHING THAT HAS FEATHERS!

ORDER OF US AND SAVE MONEY!

We Guarantee

Safe arrival and a *fair hatch. Express charges paid.* Sixty varieties of *surplus stock for sale*

AT A BIG BARGAIN.

Pekin Ducks, $2.00 per pair; Eggs. 75 cents. Bronze Turkeys, $4.00 per pair. Twenty varieties fine, choice Cockerels *very cheap.*

Pet Rats, Lop-Ear, White and Himaloyan Rabbits, Covies, or Peruvian and Abyssinian Guinea Pigs, Dogs and Singing Birds, very cheap.

Choice Stock and Eggs, of all kinds, for sale at all times, very cheap for quality. Don't fail to send for what you want and see for yourselves.

FANCIERS' AGENCY,

VAN CLEVE, IOWA.

Mention LETTER. My.

Vol. 2

No. 2

BAKER CO

MONTHLY.

SINGLE SUBSCRIPTION. 50 CENTS. *SPECIMEN COPIES. 5 CENTS.*

LEWIS C. BEATTY, Washington, N. J.,

IMPORTER OF BLACK AND WHITE

MINORCAS.

Also Langshans, White and Laced Wyandottes, Black and Mottled Javas, Light Brahmas, R. C. White Leghorns, and Andalusians. Twenty-three years' experience with strains. Awarded over two hundred premiums since 1881. Remember he has the largest poultry establishment in the State, and will sell fine birds from $3 to $8 per trio. Eggs, $1.50 per 13, $2.00 per 26. Minorcas, $3.00 per 13, $5.00 per 26. Will send a photograph of my imported B. Minorca cockerel, scoring 96½, taken from life, for 25c. Send at once.

Mention LETTER. 2mMy.

NIAGARA POULTRY YARDS.

IMPORTED WHITE AND BLACK

MINORCAS

Send stamp for illustrated price-list of eggs and the finest cut of Black Minorcas in existence; also elegant cut of White Minorcas with Niagara Falls as a back ground.

H. M. FALES,
LA SALLE, Niagara Co., N. Y.

Mention LETTER. 3mMy.

White Wyandottes

Quinebaug Strain.

We are breeding with our "Briggs" stock a pen of "Sports"—'86 hatch from Standard Wyandottes—large and finely marked. Cockerels, 8 to 9 lbs. Pullets, 7 lbs. We have out a large number of chicks, beautifully true to color. A few settings of eggs to spare at $4 per 13. White Plymouth Rock "Frost" eggs at $2 per 13.

REV. C. L. AYER & SONS,
THREE RIVERS, MASS.

Mention POULTRY LETTER. 2mMy.

EXPRESS PREPAID

on two or more settings of eggs from premium stock. Wyandottes, Light Brahmas, Black and White Cochins, Black Javas, Langshans and Pekin Ducks, $2 per 13; $3.75 per 26. A fair hatch warranted.

Reference: The Farmers' National Bank of this city.

G. F. DOOLITTLE, Owatonna, Minn.

Mention LETTER. [1y Feb

—THE—

CONTACT HATCHER

(Awarded 1st Prize at Winsted, December, 1886),

Applies the heat on the eggs by *Contact*, just as a hen does sitting on her nest, and is the most *natural*, simplest, cheapest and most *reliable* self-regulating Incubator ever made, and anyone doubting our claim can have the machine on trial. Send for circular.

ISAAC FERGUSON,
WINSTED CONN.

WYANDOTTES

ON A LARGE SCALE.

If you want to introduce the *very best* blood into your flock, try some eggs from my prize pen, which has a pedigree of prize-winners behind it of several generations. Send for circular.

ISAAC FERGUSON,
WINSTED, CONN.

Mention LETTER. 1moMy

R. A. JUDY,

LIGHT BRAHMAS.

Felch Pedigree Strain.

—:o:—

I have for the past four years confined myself to the above breed and strain, and believe them to be the best for all purposes, for no others have won 87 prizes out of a possible 101, and laid 161 eggs per capita in flocks of 50 or more. Standing at the head of my yards are the following males:

The cock Webster Hero, No. 6280, scored by B. N. Pierce and I. K. Felch, 95 points, and pronounced by them the best Light Brahma cock in the country.

The cockerel St. Louis; score 94½. The hundreds who saw him at the St. Louis show, will bear me out in saying he is as fine a male as has been exhibited this year.

Chicago; score 93; a bird of dark points, fine symmetry, prime comb, and having all the points of a fine breeder.

For Merit, I will say I have in the past three years won thirteen 1st prizes, eleven 2d, nine 3d, three 4th, with four diplomas, two gold medals and thirty specials—each and every prize being won in strong competition, and on scores of 90½ to 96½ points.

EGGS FOR HATCHING,

$5.00 per 13, $8.00 per 26, $10.00 per 39, from my three best pens which score from 93½ to 96½ points. Pen 4, $2.00 per 13. Pen 5, $1.50 per 13.

Send 2-cent stamp for circular containing matings and full description of my stock, to

Edwardsville, Ill.

Mention LETTER. 1yApl.

BICKNELL'S

Imported Minorcas

Eggs for balance of season $4.00 for 13; $7.50 for 26. In February last I received, per steamer "Wisconsin," a breeding pen of ten Black Minorcas from the yards of Mrs. M. A. Wilson, Westal, Cheltenham, Eng. They are all grand birds, properly selected and mated for best results.

J. Y. BICKNELL,
3moMy BUFFALO, N. Y.

On Top Again!

Won first on Black Cochins at Mt. Gilead; J. Y. Bicknell, judge. Score on Pullet, 95¼; Cockerel, 91½. Eggs, $2 per 13. B. B. R. Game Bantam eggs, $1 per 13. Durbin Red Games, imported; eggs $3 per 13.

CAPT. H. W. LEMON,

Mention LETTER. 1moMy MANSFIELD, OHIO.

WHITE and BLACK MINORCAS

White Ply. Rocks and Wyandottes.

Won 1st and 2d premiums on Black Minorcas at Meriden, Conn., December, 1886; 2nd on Black Minorcas and 1st on Breeding Pen, at Lowell, Mass., December, 1886; 1st and 2d on Black Minorca chicks, 1st on White Minorca chicks, 1st on White Plymouth Rock chicks, and special on best cockerel, at Rochester, N. Y., January, 1887.

EGGS FOR HATCHING

at Reasonable Prices—for quality of stock.

Address,

JOHN J. BERRY, White Plains,

Mention LETTER. 3moMy. **N. Y.**

THE POULTRY MIDGET

Is a Midget only in name. It is a 12 to 24 column poultry paper, published weekly at only 50 cents a year, and contains a large amount of useful reading matter, besides handsome illustrations. It is undoubtedly the best and cheapest weekly published. Sent on a six months' trial-trip for only 12 2-cent stamps. Don't fail to try it for six months. Midget and LETTER one year for only 75 cents.

Published by **O. E. COZZENS,**
3mMy CHICAGO, ILL

EGGS

FOR HATCHING!

BROWN LEGHORNS, SILVER SPANGLED HAMBURGS, WYANDOTTES AND WHITE CRESTED BLACK POLISH; BONNEYS, WILCOX, PRESTON, & FULTZ STRAINS.

HIGH SCORING BREEDERS.

Illustrated Circular and Price List Free.

A. H. DUFF,
CREIGHTON, Guernsey Co., OHIO.

Mention Letter. 1y Nov

DR. T. B. SPALDING,

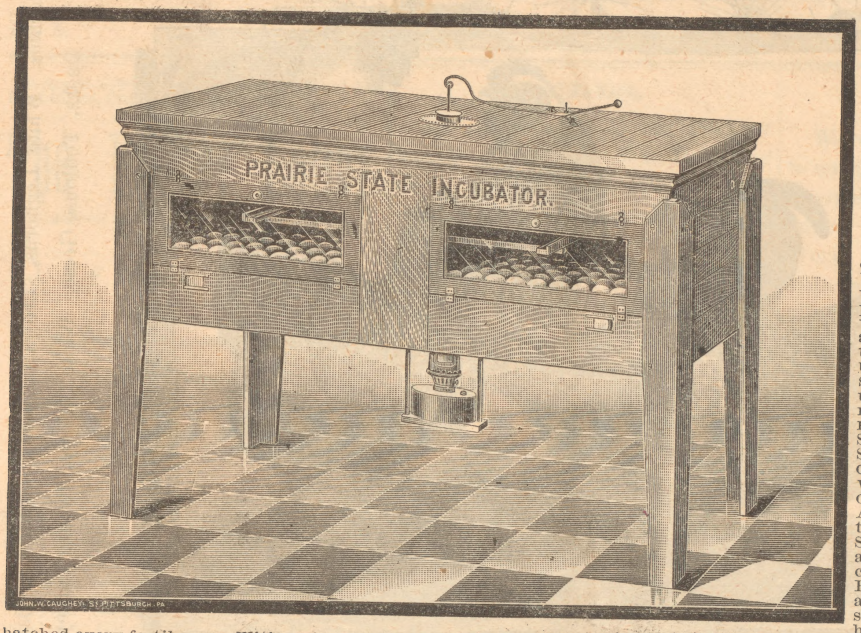
EDWARDSVILLE, ILLINOIS,

BREEDER OF THOROUHBRED FANCY FOWLS.

ORANGE BUFF COCHINS!

☞The most beautiful and purest Buffs in the world.

The most perfect in shape and penciling! **PARTRIDGE COCHINS.**



Plymouth Rocks.

Pure Essex Strain, large, blue barred and pure,

—AND—

Royal Pekin Ducks,

of large size, and pure, creamy white

Eggs from Cochins $5 per 13 or $10 for 39. Eggs from Plymouth Rocks and Pekin Ducks $3 per 13.

The Prairie State Incubator.

After a thorough trial of this machine in the same building with the best of all other Incubators in private use, and, after defeating, in public test, "The Perfect Hatcher," which, in turn, has always defeated all the rest, we claim that we have the MOST SIMPLE, the MOST EASILY UNDERSTOOD, the most RELIABLE SELF-REGULATING INCUBATOR in use. In the hands of persons who never before saw an Incubator IT HAS NEVER FAILED OF A GOOD HATCH Scores are now in use all over the U. S., and every ONE A PERFECT SUCCESS. Its REGULATION OF HEAT, its VENTILATION, and its APPLICATION OF MOISTURE ARE SIMPLY PERFECT. At the great St. Louis Fair and at the great National Poultry Show, at St. Louis, 1886, won first premium and diploma on the Prairie State Incubator and the famous Buckeye Brooder, hatching over 90 per cent, and caring for the chicks without a single loss. Since then this machine has several times, in different hands, hatched every fertile egg. With every machine sold, I present a copy of my work on Poultry Culture by Artificial Process. Send 2-cent stamp for my illustrated circulars of fowls and machines. Mention LETTER.

3mApl.

LOOKOUT FOR BARGAINS.

Fancy Poultry and Eggs and Bronze Turkeys for sale cheap. Quality of stock of the best strains. Write for prices.

S. S. THORNLEY,
MARIETTA, OHIO.
OHIO VALLEY POULTRY YARDS.
Mention Letter. 3m Feb

ROSE COMB
White LEGHORNS

STILL TAKE THE LEAD in the Show-room. At the Great Boston Show, January 19-26, 1887, where they won 1st on Breeding Pen; 1st on Cockerel; 1st on Hen; 1st on Pullet; 2d, 3d and 4th on Pullets; including 7 Specials and 2 Silver Cups—31 entries in competition.

At Central New York Poultry Show, held at Cortland, took every prize offered, (eight Specials)-large competition. Take this with the record given me at New York City, Feb. 3-10, 1886, I think I can safely say that I have as good, if not the best, in America.

EGGS $3 per 13, $5 for 26. STOCK for sale at all times. Address

B. R. KNAPP, Cortland, N. Y.
Mention LETTER. 1y Nov

BRISTOL'S
Rose Comb Brown LEGHORNS

Stand at the Front.

They have Won wherever Exhibited.

At Syracuse, N. Y., 1886, my R. C. B. Leghorns made a *clean sweep*, and this against strong *competition.*

At Grolon, N. Y., 1886, they won 1st on breeding pen; 1st on pair; scored 94½, 94, 94, 93, 92½, *highest scoring breeding pen ever exhibited.*

At the Central New York Show, held at Cortland, 1886, they made a *great record,* winning *first prize on pair; first on breeding pen; special for highest scoring Cockerel and Pullet;* also *special for best breeding pen.*

FOWLS FOR SALE at all times, Prices Reasonable, considering stock.

EGGS, $3 per 13; $5 per 26.

W. A. BRISTOL,
CORTLAND, N. Y.
Mention POULTRY LETTER. [1y Oct

R. R. BOURLAND,

PARTRIDGE

COCHINS

Successor to J. B. FOOT, as to this breed.

Took 23 premiums at the Chicago and St. Louis shows, of November and December, 1886. Eggs $4 per sitting. Send for prices to

907 KNOXVILLE ROAD,
1yDec. *Peoria, Ill,*
Mention POULTRY LETTER.

R. W. SARGENT & SON

Poultry Fanciers and Importers,

LANGSHANS

—AND—

MINORCAS.

KITTERY, York Co., Maine

Mention LETTER. [1y De

MRS. J. B. HOWE,

CHOICE HIGH-BRED POULTRY,

KENTLAND, INDIANA.

Plymouth Rocks, W. C. B. Polands, Wyandottes, S. S. Hamburgs, Light Brahmas, Langshans, Partridge Cochins, Houdans.

Buff Cochins, White Leghorns, Brown Leghorns, Golden S. Bantams, Pekin Ducks, Toulouse Geese, White Guineas, Bronze Turkeys.

Mr. J. B. Howe also is a breeder of the choicest strains of POLAND-CHINA SWINE. Stock for sale all Seasons of the year. Mention POULTRY LETTER. [1y Jan

WANTED!

Every reader of the CHICAGO POULTRY LETTER to receive our Handsome sixty-page Illustrated Catalogue for 1887. We are Headquarters for

IMPORTED BLACK MINORCAS,

White and Standard P. Rocks, Lt. Brahmas, Langshans, Bantams and Ducks.

Also Poultry Supplies of Every Description. Our Catalogue fully describes and Illustrates all our stock; our $5,000 poultry buildings, large brooding house, etc. It tells HOW we raise broilers, how we feed little chicks, how we feed and manage our poultry, how we treat their diseases, etc. A VALUABLE BOOK OF INFORMATION. Send two 2-cent stamps and it will be sent you by return mail (no postals noticed). Choice stock for sale at reasonable prices. Orders for eggs that will hatch booked on very favorable terms. Address,

Geo. J. Nissly, Proprietor. MICHIGAN POULTRY FARM, **Saline, Michigan.**

Mention Poultry Letter. (1y March)

The Game Fowl Monthly!

THE BEST IS ALWAYS THE CHEAPEST is what they all say after reading a copy of that journal. For all news and information concerning the GAME FOWL. Interesting and instructive to the Fancier, Cocker and Breeder. Sample copy 5c. Subscription $1.00 per year. Vol. II, bound; paper 50 cts, cloth 80 cts. The Game Fowl Monthly and Poultry Letter, both one year $1.10. Address

C. L. FANCISCO, Rushville, N. Y.

Hugo Chas. Eckardt,

OCONTO, WIS.

Importer and Breeder of Full Blooded St. Andreasberger and Norwich Canarien Birds. Also of Houdan fowls exclusively. Eggs of the Houdans in their season. My stocks are pure breed. Prices reasonable. Write before you purchase of any one else.

Mention Poultry Letter. 1y Dec

GEORGE CLOUGH,

CARROLLTON, GREENE CO., ILLS.

Breeder of high class pure bred Wyandottes, Langshans, Lt. Brahmas, S. S. and Black Hamburgs. Choice breeding stock for sale at $2 each, $5 per trio. No cull stock. Orders booked for eggs $2 per 13. Satisfaction warranted. Write for further information and mention this paper. Also breeds premium Cotswold Sheep. [1y Feb

CHICAGO POULTRY LETTER.

OUR MOTTO:--"Ring Out the False, Ring In the True."

Vol. 2. CHICAGO, COOK CO., ILL., MAY 15, 1887. No. 2.

Entered as Second-Class Mail Matter at the Post Office, Chicago, Ill.

The Poultry Letter.

Published the Fifteenth of Each Month, at Chicago, Illinois.

J. L. S. HALL, M. D., Editor.

CONTRIBUTORS:
THE LEADING BREEDERS OF AMERICA.

TERMS OF SUBSCRIPTION:
ONE COPY ONE YEAR, 50 CENTS.
Invariably in Advance.
Single Copies. 5 Cents.

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TERMS TO AGENTS: Any poultry fancier anywhere, may act as agent for the POULTRY LETTER. We have hundreds of agents scattered over the country, earning money by obtaining subscribers for the POULTRY LETTER. We pay a very liberal cash commission to agents, and want a live representative in every place in the United States and Canada where we have no regular agent. Write for terms.

Ask your nearest News Agent for the CHICAGO POULTRY LETTER, if he does not keep it in stock he will order it for you.

The POULTRY LETTER free to advertisers of $10.00 or more.

Editor's Special Notices, 20 cents per line.

We invite short articles on Poultry and Bee Raising, Live Stock and General Farm Interests. Write on one side of the paper only.

All articles for publication as well as advertisements should be in our office on the 10th of each month.

ADVERTISING RATES:

	1 in.	2 in.	3 in.	¼ col.	1 col.	1 page
1 Mo.	$ 1.00	$ 2.00	$ 2.75	$ 4.00	$ 7.00	$ 20.00
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These are our only rates for advertising, and will be strictly adhered to. Payments must be made invariably in advance. Yearly advertisements, paid quarterly in advance, changed every three months without extra charge.

Address all communications, and make all remittances payable to

J. L. S. HALL, M. D.,
NO. 1605 WEST 47th STREET,
CHICAGO, ILL.

A CHANGE.

Having disposed of the POULTRY LETTER plant to Mr. Wm. P. Hall of Ohio, our connection with the same will cease with this issue.

We greatly regret this step, but serious illness in our family compells us to seek for them a different climate.

Mr. Hall is a young, enterprising and progressive man, and we bespeak a continuation of the liberal support extended to us.

Fraternally yours,
J. L. S. HALL, M. D.

TO THE PATRONS OF THE POULTRY LETTER.

With the next number of the POULTRY LETTER we assume the laborious duties Dr. Hall has so effectually performed as editor-in-chief. We trust we may be able to please our readers as well as our retiring editor and proprietor has done.

We shall endeavor to carry on the POULTRY LETTER as it has been during the past year, viz.: by fairness and squareness in all our dealings.

Trusting to meet with a continuation of the success handed down to me by Dr. Hall, I am,

Very respectfully,
WILLIAM P. HALL.

THE query is this: Who won first on Lt. Brahma breeding pen at Chicago last fall.—*Poultry Chum.*

We know, but we don't like to tell. Ask Mr. Munger, the Secretary, ask Mr. J. B. Foot, or Mrs. R. A. Judy —they all know.

A SETTING hen never grows fat.—*New England Fancier.*

"A rolling stone will gather no moss."

THIS IS FOR YOU.

We earnestly request our readers to notify us of any unfair or dishonest treatment they may receive from any of our advertisers. We expect every one who advertises in the POULTRY LETTER to make good every offer made. In this way we will be able soon to learn who are honest and who are not, and thus be able to prevent dishonest persons from using our columns.

"Ring Out the False, Ring in the True."

In reply to the letter of Mr. C. A. Emry in the *Feathered Home* for April we will say that if Mr. Emry or Mr. Robinson, either, or both of them can refute the arguments put forth by Mr. C. B. Armstrong in his article on "Poultry Farming," the columns of the POULTRY LETTER are at their disposal. Simply branding these articles as falsehoods are not arguments at all.

"Ring out the false, ring in the true," is just what we are here for, and this is just what we will continue to do—wave that motto at our mast-head—so long as this continues to be the "land of the free and the home of the brave."

WYANDOTTE BANTAMS.

This month we visited the yards of Mr. Lael E. Lindell, Englewood, Ills. We inspected his stock thoroughly and consider his Laced Wyandottes very fine, and Mr. L. takes great care and pains to keep his stock in good condition, and when he sells eggs he expects to receive the cheering news of a "good hatch." We found Mr.

Lindell in his white-wash garb, making everything look clean and sweet about his premises.

We are pleased to present this month a fine illustration of Mr. Lindell's Wyandotte Bantams. This is the first time that Wyandotte Bantams have ever been illustrated in any journal. Mr. L. being the originator of the breed, we induced him to have a cut made of them for the POULTRY LETTER. While Mr. Lindell prides himself on being the originator of the Wyandotte Bantams, we are as equally pleased at being able to first present them to the world.

As he states in his description of them, they are much larger than ordinary bantams, but in his skilful hands and knowledge of breeding we doubt not but he will be able to produce a breed of bantams in size, symmetry and beauty of plumage, not excelled by any breed in the world.

H. D. WALKER, M. D.

We are indebted to Dr. Walker for his very interesting and exhaustive treatise on the "Gape Worm of Fowls" (*Syngamus Trachealis*), and the "Earthworm (*Lumbricus Terrestris*), its Original Host." We will give some of the doctor's ideas in future numbers of the LETTER.

EDWARD E. DALTON, MENOMINEE, MICHIGAN.

A duty to our patrons as well as to ourselves compel us to say that we have tried long and patiently to induce Mr. Dalton to do the honest thing. Very many complaints have been received at the LETTER office, and he has been given every opportunity to do the fair thing, so we are now forced to the opinion that he will not settle an honest debt. He has made many promises, but so far we have never known him to fulfil but one. If he does not show some disposition to do the proper thing before we go to press on the June number of the POULTRY LETTER he will have to join a band that has a free standing advertisement in the LETTER, from January to January, viz.: Waldo, Bain, Gross, Van Derveer and Rick.

What do our readers know about Edward E. Dalton, formerly of Grand Rapids, but now of Menominee, Michigan?

MR. GEO. A. PRESTON.

We had an opportunity recently to examine some Laced Wyandottes while en route from Mr. Preston's yards to a party in the West. We believe in the hands of a competent judge they would score from 90 to 93 points. We have also received a copy of Preston's Wyandotte Gazette, a work replete with information for every fancier, and especially for those breeding the Wyandotte fowls. We club it with the LETTER for 60 cents. Mr. Preston's yards are at Binghamton, N. Y.

QUERIES ANSWERED.

BY THEO. WORLAND, 112 E. 39th ST., CHICAGO.

C. E. L., Michigan, asks the following questions:

1st. Where did the Brahmas originate, and are they a distinct breed?

2d. What has become of the old Shanghai fowl?

In reply to C. E. L., Mich., I will say that from the most authentic source I have, the Brahma fowls were taken from India to England; was there greatly improved in size and color, and thence to America, where they have attained their present Standard of Excellence, loosing their vulture hocks, their more distinctive marking in black tail hackle and flights, pure white unmixed breast and body feathers, but lost a little in size.

The old Shanghai was brought from Shanghai, China, to England, thence to America, and and is what is now known as the Buff Cochin, having been greatly changed in shape, etc., by breeding for shorter legs and blockier bodies. They have also lost their vulture hocks in the hands of American breeders.

IT IS with pleasure that we call the attention of our readers to the advertisement of Mr. C. D. Smith, Fort Plain, N. Y., which appears in this issue of the POULTRY LETTER.

Mr. Smith is one of our oldest and most reliable breeders, having made the management and breeding of fancy poultry a study for many years; and by his upright dealings and close application to business has built up a trade that extends into every state and territory in the Union, besides a large business in foreign countries. During the past year Mr. Smith has added many fine birds to his yards, and now, undoubtedly, has the largest and finest collection of pure-bred poultry in America.

We must not forget to mention his Games which were imported at a great expense, and are considered *extra* fine by all who have had the pleasure of seeing them.

In conclusion it may stated that his card will appear in each issue of the LETTER, and we trust he will receive the support of all interested in the varieties he breeds.

MR. C. A. DOTY, in his catalogue just issued, has this compliment for the LETTER:

The publisher of this journal deserves the high commendations which the breeders all over the country have bestowed so lavishly upon his journal. It should demand the attention of all interested in the breeding of high-class poultry. It is published monthly at fifty cents per year; sample copies, five cents.

IF YOU want a good readable newspaper, one that is chuck full of information on all subjects of interest to the farmer, send for a sample copy of the *Bremen Banner*, published at Bremen, Ind. Will send the POULTRY LETTER and *Banner* one year for $1.50.

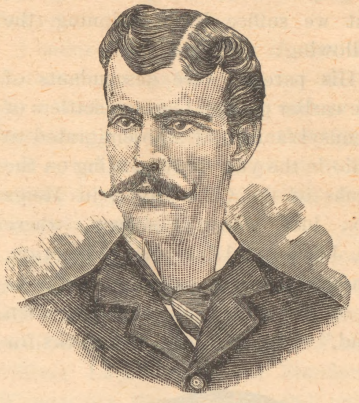
SHELBYVILLE, IND., April 4, '87.

Dear Sir:—Please announce that the Shelby County Poultry Club will hold its third annual exhibition at Shelbyville, Ind., Dec. 12 to 17, 1887.

WILL H. ISLEY, Sec'y.

R. B. Mitchell, Esq., Editor Poultry Raiser, Chicago, Ill.

The above is such a perfect likeness of Mr. Mitchell that it would be easily recognized, even if we failed to publish his name. Most of the fanciers in America are familiar with Mr. Mitchell and his excellent little journal, the *Poultry Raiser*. He was born in Salisbury, Connecticut, in 1827; was married in 1849, and came west in 1861. Six children came of this union, all of whom lie buried in a beautiful plat of ground in Rosehill Cemetery, some six miles north-west of Chicago. Two died in infancy, one at nine, one at fourteen, and two at twenty years of age. The great Chicago fire, of 1871, burned up his buildings, destroyed his business, and, together with thousands of others, left him penniless in a burned city. In his own words, "all was taken from us but courage and health." Eleven years ago he built a beautiful home at Arlington Heights, and has lived there ever since, going to Chicago in the morning and returning in the evening. Eight years ago he began keeping choice poultry as a pastime, and his sales have reached every part of the United States. We have been personally acquainted with Mr. Mitchell for a long time, and have always found him a gentleman in the truest sense of the word, always courteous and polite. Mr. Mitchell is one of the oldest members of our Association.



C. C. Cushing, Esq., Editor Poultry Record, St. Louis, Mo.

As a misrepresentation of Mr. Cushing the above portrait is a success. We dislike very much to present Mr. Cushing in so unfavorable a light, but as this is the electrotype furnished we will have to be pleased. But Mr. Cushing is not that style of a man at all. We know from personal knowledge that he is a very pleasant, intelligent and companionable gentleman, young, full of life and push, a true Westerner in the fullest sense of the word, but a "crank"—a real "chicken crank"—beyond a doubt. Whatever he has to do, he does it with all his might.

Mr. Cushing first saw the "light of day" in New York City, January 7th, 1857, and came west at a very early age. He began breeding his favorites, the Light Brahmas, seven years ago.

He is at present secretary and treasurer of the great Mississippi Valley Poultry Club, which held such a successful show at St. Louis, Mo., last December. At the organization of the American Poultry Press Association in this city, last November, Mr. Cushing was unanimously elected secretary and treasurer, and last, but not least of all, he is editor of the *Poultry Record*, a journal all must admire for it sworth and beauty.

Our horse-shoe is a very tempting as well as profitable place for an advertisement. Try it.

Our spring poet is dead.

A. E. Chase, Esq., Editor Poultry Magnet, Mt. Gilead, Ohio.

We judge the above is a good likeness of Mr. Chase. While we are not personally acquainted with the gentleman, we do know something of the reputation of the artist, Mr. James Bryant, of Philadelphia, Pa. This gentleman's work is always first-class.

The *Poultry Magnet* is now nearing the end of the second volume, and will score well up in the nineties among the poultry press of America. Mr. Chase is yet a young man, but his *pet*, the *Magnet*, shows the hand of an expert, and we judge his pen drops the "King's English" as rapidly and smoothly as if oiled for the occasion. When a quill-driver steps on his coat-tail, or *Stoddard*, the chip off his shoulder, that same editor had better prepare for war—war to the knife, knife to the hilt, and all around the ring—that's the sort of an editor we take Mr. Chase to be.

He was born in the good old "Sucker State" of Illinois about thirty years ago. His mother dying when young his father moved to Ohio. Here he received the benefits of a liberal education, and at the age of sixteen years was actually engaged in surveying and civil engineering. In his eighteenth year he entered the poultry business; has been a correspondent to several daily papers in Cincinnati, Detroit and other points.

Being a member of the Oddfellows and Masonic orders, he has written a great deal for their publications.

Mr. Chase has always possessed a great fancy for poultry and pets of all kinds. He was married at Mt. Gilead, Ohio, October 6th, 1881, to Miss Anna C. Cooper, and have one child, now past two years old, which is the pride and light of their home.

Mr. A. E. Chase is a valuable and esteemed member of our Press Association.

MR. J. J. FULTZ, MT. VERNON, OHIO.

Mr. J. J. Fultz, Editor of The Poulter, Mt. Vernon, Ohio.

The above illustration is true to life and represents one of the bright lights, active and wide-awake workers of the American Poultry Press Association.

Mr. Fultz was born April 26th, 1845, on the banks of the Schuylkill, near Norristown, Montgomery Co., Pa., he being now in his 42d year.

Incidents of his life, habits and business might be strung out into a lengthy article, of more or less interest, but we suffice by mentioning the following:

His parents were descendants of the earlier pioneer German settlers of Pennsylvania, and who emigrated to Ohio in the year 1850, settling on the banks of the Ohio River, in Meigs Co., just below Pomeroy, where "J. J." secured his early education, trudging some two and more miles to an old log school-house of "ye olden kind," where split logs, with sticks for legs, constituted the seating capacity of the back-woods structure dedicated to the cause of education, and where the Dominee's teaching qualities were best demonstrated (and needed) in in his ability to properly handle the rod (this, in fact, being his best hold) "J. J." coming in for his full share, if not more, of said ability.

After the close of his school-days the earlier part of his life was spent "in teaching the young idea how to shoot," and in teaching and conducting a Commercial School, he being a practical book-keeper and accountant.

In 1870 he located in the city of Mt. Vernon, O., where he has since resided, he being most of the time engaged in the insurance business.

He was the projector and organizer of the Eagle Mutual Fire Insurance Company, which, within a period of 30 months under his management, massed a Note Capital of over $330,000.

He is a strong advocate and adherent to the secret society principles of life insurance, and is at present honored with the position and acting Vice Grand Dictator of the Grand Lodge Knights of Honor of Ohio.

Having received an attack of "hen fever," and from which he has not as yet recovered, he branched off into, and added "Poultry Keeping" to his other vocations, and in which he soon became so engrossed that he launched *The Poulter* as an auxiliary and general helper in the work of prose-

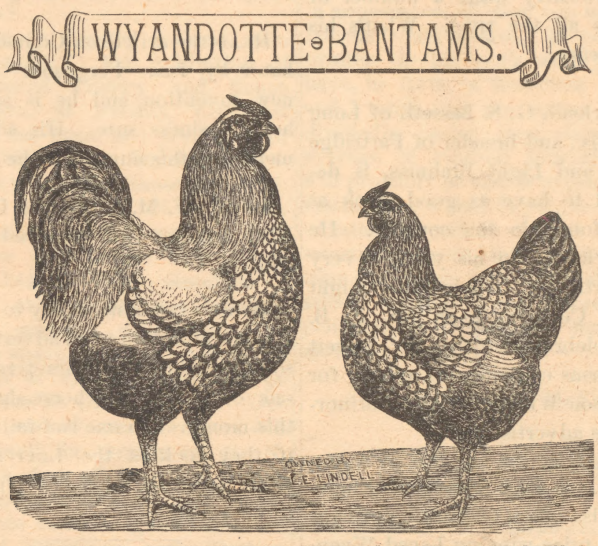
lyting in this fast growing and profitable interest of husbandry.

Mr. Fultz's greatest monument will doubtless be *The Poulter*, which has become already a very popular and permanent fixture to the thriving city of Mt. Vernon, Ohio.

WYANDOTTE BANTAMS.

BY LAEL E. LINDELL, ENGLEWOOD, ILL.

The above cut is a faithful representation of a pair of my new pets, the "Wyandotte Bantams," of which I am the originator. They are entirely new to the poultry fraternity, being only of recent origin. They



Originated and Bred by L. E. Lindell, Englewood, Ill.

are an exact representation of the Standard Wyandottes, only on a smaller scale. They combine the three greatest and most essential points so eagerly sought for in bantam breeding, viz.: size, beauty and prolificness. As layers they outlay all other varieties, seeming to inherit this good quality from their "large cousins," as I call them; they lay a fair-sized egg of a very delicate flavor.

In shape—you will notice by cut—they are a blocky bird, and a trifle larger than ordinary bantams. This is another point I admire about them.

They are not a product of in-breeding, being entirely unrelated, although it is my intention to in-breed this season.

I believe in in-breeding if carried on to a certain extent, but too much has a tendency to weaken and produce sickly specimens. I therefore shall avoid it as much as possible, in hopes of giving them a strong and vigorous constitution.

It shall be my aim to bring before the public a class of bantams that will excel all others, and should they meet with as much success as my "Silver Lace" Strain of Standard Wyandottes, then I will be well paid for my trouble.

Dear Doctor:—Will the Minorca fowls set, hatch and raise a brood of chicks? What is the origin of the Minorcas? J. B., Oregon.

We will be pleased to have some of our readers answer J. B. in June LETTER.

THE *Turkey, Duck and Goose*, Vol 1, No. 1, is on our table. Very good, Bro. Mendenhall, for the first number. You have an open field, and you have the best wishes of the POULTRY LETTER. May you *gobble* up every fancier in the land. We will send the POULTRY LETTER and the above journal one year for 75 cents.

WE TOLD YOU SO.

DR. J. L. S. HALL,

Dear Sir:—April number at hand, and will say that I am more than pleased with the dress and enlarged size of the LETTER, and it looks as if you were sailing along smoothly. If you continue in the way you have started you will soon give us the *best poultry paper* in the land.

One word more. The circulation must be immense. Just think of this: out of eight advertisements that I carry at the present time, in as many leading poultry journals, I have received MORE letters, stating that they have seen my advertisemen t in the POULTRY LETTER, than in a ll the rest put together. Letters came from almost every state in the Union, besides several localities in Canada.

This is a fact, Doctor, and "don't you forget it."

I am, very respectfully,

C. A. DOTY.

128 S. Halsted Street, Chicago.

WE ARE pleased to call your attention especially to the advertisement of C. L. Ayer & Sons, Three Rivers, Mass. Their specialty is White and Laced Wyandottes. White birds are very popular, but none more so than the White Wyandottes. Mr. Ayer will give an article on these fowls for publication in the LETTER soon.

ILLINOIS POULTRY ASSOCIATION.

Our friend Dr. Spalding is bound to be president, and if there is any address of welcome to be delivered the Doctor is right at home at that, too.

The above society was organized at Alton, Ill., recently, and will hold a poultry show this winter. Success to you, gentlemen, is the wish of the LETTER.

MR. G. F. DOOLITTLE, Owatonna, Minn., offers some bargains this month. Look up his advertisement and write for illustrated circular.

THE illustrations of poultry editors will be continued in June issue of the LETTER.

COMPLAINTS.

We receive many complaints from subscribers who write us they do not get the POULTRY LETTER. We wish to say to all such the LETTER is mailed every month, never miss a subscriber, we think, but if it should happen, of course it's an accident. In all such cases you have only to drop us a card. We want an early opportunity to make good all errors. Our business is very large now and we have it systematized as well as we know how. Of course the post-office department might make a mistake; they are not immaculate by any means. Now, once for all, if you do not get your LETTER, drop us a postal card and it will be sent.

INCURABLE.

Wonder if Dr. Hall of the POULTRY LETTER knows a good receipt for "hen fever?"—*Guide and Friend.*

Well, yes—and no. We thought we had discovered a sure cure, a never-failing "receipt," but we have it now in its worst form—a sort of a *Minorca Fever.* We believe it is intermittent, remittent, relapsing and contagious in its nature. All do not take it, but when once we "catch" it, it's ours for all time. There is but one instance of a well authenticated case of cure on record. We refer to the case of our esteemed friend, Dr. Spalding, of Edwardsville, Ills., and his may only be a temporary or rather a change in the form of the disease known in the books as *Incubating Fever.* We are watching this case with more than usual interest, and the result will be published in the POULTRY LETTER.

MR. H. M. FALES, La Salle, N. Y., breeds White and Black Minorcas. A splendid cut of his birds will be found on another page. His advertisement appears in this issue.

MR. JOHN J. Berry, White Plain, N. Y., breeds White and Black Minorcas. See his card on another page.

MR. WILL D. WRIGHT.

We wish to direct the attention of our readers to the advertisement of Mr. Will D. Wright, Bremen, Ind. His stock of Laced Wyandottes are very fine. Having personally inspected some of his birds, we know whereof we speak. Chicks hatched from eggs bought from Mr. Wright we venture to say will score high in the show-rooms next year.

DR. J. L. S. HALL is making the POULTRY LETTER a complete success. The doctor, however, is being badly taken in by a first-class humbug.—*Nest-Egg.*

Yes, we carry quite a number of humbugs all the time. What's his name, please?

OUR friend, G. S. Bassett, of Long Point, Ills., and breeder of Partridge Cochins and Light Brahmas, is determined to have as good stock as can be found in the country. He has just added to his yards a very fine Partridge Cochin and Light Brahma Cockerel from Mr. J. B. Foot's celebrated stock. Mr. Bassett also informs us that he is raising for next season White and Black Minorcas. See advertisement.

MR. LAEL E. LINDELL of Englewood, Ills., offers one setting of eggs from his prize-winning Laced Wyandottes to the person who first sends us five subscribers at 50 cents each. The eggs are worth $3.00.

MRS. R. A. JUDY, Edwardsville, Ills., breeder of pedigreed Light Brahmas, changes her advertisement this month and takes more space. She is one of the liveliest and most energetic breeders in this country, and always has first-class birds to sell and breed from.

SEE advertisement of the Reliable Incubator Co. in this number. They write us they will be at our show this fall with the Reliable "running at full blast."

WE RECEIVED a setting of Black Minorca eggs this month from the yards of Mr. L. C. Beatty, Washington, N. J. Mr. Beatty is entitled to praise for the manner he prepares his eggs for shipment. If we were called upon to give him a score we would place it at one hundred without hesitation. Read his advertisement.

WE NEVER treated a case of "hen fever" on the principle of "no cure, no pay."

WE have received Mr. C. A. Doty's illustrated and descriptive catalogue of poultry for 1887. We have Mr. Doty down in our List of Honest Breeders. Send for catalogue.

READ the article on Contact Incubator by Isaac Ferguson. His is a new invention, and he is after the hen's business sure. His advertisement is in this number of the LETTER.

FRIEND F. M. Munger of De Kalb, Ills., reports two hundred young chicks.

IT APPEARS unnecessary to call our readers' attention to an advertisement so noticeable and attractive as the one occupying the horse-shoe space this month. No one can fail to see it if they look at the LETTER at all. Read it and see what Mr. Tipton has to offer you.

MR. GEO. F. DOOLITTLE, Owatonna, Minn., in a private communication, says there is no place for *dead-beats* in the poultry business.

MR. C. B. FANT'S breeding pens are composed of birds scoring from 92 to 95 points. Write for what you want. He also has special rates over the Pacific express lines. Address C. B. Fant, Wright City, Mo., and say you saw his advertisement in the LETTER.

ONE of the very best judges of poultry in this country is J. Y. Bicknell of Buffalo, N. Y. He is breeding the popular Black Minorcas and offers eggs from imported stock.

COMMUNICATIONS.

FROM W. A. SCHROCK.

EDITOR POULTRY LETTER:

I have a Hamburg pullet, lately hatched, that commenced laying a short time ago, and so far, out of fifteen eggs, she has layed but one that weighs more than a half ounce. The one larger egg is a little smaller than that of a pigeon, and I have it under a bantam hen in process of incubation. The pullet is a beautiful bird, but little smaller than the others of my flock, and I cannot understand why her eggs are so small. I blew out the contents of six of them and could discover no signs of a yelk. Can any of your readers explain the phenomenon?

The fancy poultry interest here is "humming." The exbibition of the National Poultry and Bench Association, at Atlanta, Ga., last January, has been, as I predicted, of incalculable benefit to Southern breeders, and especially to those who exhibited at that show. Now, let me make another prediction: the next exhibition will be the largest this country has yet seen. Numbers of breeders, or I should say breeders without number, throughout the Southern states, who were too timid to exhibit at the last show, will be out in force at the next one. Our Northern and Western brothers will help to swell the throng, and the N. P. & B. A show of 1888 will be one to be long remembered. Our Southern climate ensures against loss the stock of Northern and Western breeders, therefore they can bring down their best stock without fear, and make the next show a battle of giants, indeed. Let every Southern breeder, that can write at all, flood the different poultry journals with articles on the subject from now to next January, and when these articles are published, don't keep them to yourself, but show them to the breeders of your town and vicinity, and then send the paper to some breeder in the next town, or it may be to some one in a far distant city, who probably does not take that paper. The city and citizens of Atlanta offer extraordinary inducements to exhibitors at the next show—$2,500 in cash is to be used in the purchase of gold medals for the first prize winners and to defray the expenses of the show. A suitable hall will be procured and— I could go on forever in this strain but the editor calls a halt. Before closing, however, I want to give a description of a curiosity I desire to exhibit at the next Atlanta show. It is a cross between a guinea hen and a half-breed Partridge Cochin cock. Her plumage is a beautiful brown, in which can be seen the peculiar spots of the guinea; head resembling the guinea, but with a chicken comb, guinea legs and toes. She is a fine layer but a non-setter.

Camden, S. C.

KIND WORDS.

NEW HAVEN, CONN., April 7, '87.

Dear Doctor:—Your magazine is, in appearance, all that you and your friends could desire. If your new printer do his work well, you will have, in form, a first-class journal; and I think that the matter of it is decidedly better than that of the average of kindred journals. You will probably be unable to print all the matter that is sent to you, and sooner or later you will be obliged to make selections from this matter. As time progresses you will make these selections more and more independently and perhaps more and more judiciously.

Fraternally,
EDWIN MCKENZIE.

How to Tell the Sex in Domestic Fowls' Eggs.

BY C. A. DOTY, 128 S. HALSTED ST., CHICAGO.

EDITOR POULTRY LETTER:

At the end of the egg there is a circular space, or cavity, containing air, which is called the "crown" of the egg. Now, taking the forefinger and thumb of the left hand as two points, place the small end of the egg on the thumb, the forefinger covering the butt end, and as near the center of the end as possible, and in this position gently turn it around before a candle or a gas jet, and you will observe a dark circular mark, something similar to the moon when partially eclipsed. This dark circular mark is the space filled with air, or the "crown" of the egg, and, if directly in the centre, it indicates that the egg will produce a male; in this case the "crown" will be scarcely visible, the shadow cast by the forefinger nearly covering it. On the contrary, if the "crown" be on the side, you will only see it on one side as you turn it around, which denotes a pullet. This method has been fully tested and proved by ocular demonstration in the chickens produced. Try it this season.

[The above article treats on a very interesting as well as important subject to every fancier, and we would be glad if some of our readers would give their views in the LETTER.—ED.]

"From Shell to Griddle."

BY JESSE H. SOULE, STILLWATER, MINN.

EDITOR POULTRY LETTER:

It is a fact, I suppose, that learned men sometimes say foolish things. I suppose that the "Sage of Natick" is no exception to the rule. In his "From Shell to Griddle" he gives an amusing theory (for it cannot be a fact) of how the chick in the fullness of time gets out of the shell. The chick, he says, first knocks a hole through the shell with the little hammer on the top of the bill, and then proceeds to "turn entirely round in the shell—knocking as he goes—when the upper part falls off, leaving the chick free to come out at will." Now, I claim that the chick does no such thing. After hammering a hole through the shell his lungs expand, and the top of the shell is forced off by pressure from the growth or enlargement of the chicks. Am I correct?

[Let some one, who knows, answer Mr. Soule.—ED.]

BRO. P. H. JACOBS, of the *Poultry Keeper*, writes us a very nice letter. Read what he says:

HAMMONTON, N. J., April 8, '87.

Dear Doctor:—I think you will have a good show, in Chicago, next fall, and I intend to do all I can for it. I think the LETTER is doing good service. It is one of the brightest and best poultry papers published, and when I offer to club it with the *Poultry Keeper*, to our readers, I feel as though the combination is a cheap one to offer. I cannot avoid congratulating you on the success of your efforts in presenting such a paper to your readers.

Now is the time to subscribe.

Greetings from Massachusetts.

BY CHAS. L. AYER, THREE RIVERS, MASS.

EDITOR POULTRY LETTER:

The coming of your March number was hailed with great pleasure. You Western men have a way of infusing life into anything you undertake. The immense *boom* now coming to the fanciers' work, and to certain new breeds of fowls, is eminently *Western* in its style. Now, *drive* and *bottom* make just the team we want. Push and merit must go hand in hand. And above all things there must be honest work and honest dealing. Many are trying to ride with a free pass on this *boom,* caring more for making money than for rearing meritorious fowls. As an old fancier I am bound to say, that it is too bad that the poultry trade is compelled to carry such weights—advertisements that show deception on their face—dealings with customers that would disgrace professional highwaymen. Looking over the forty-one solid pages of advertisements in an eastern poultry paper, I note names of men whose yards I have visited. Their advertisements just as clearly deceive customers as any lie. For example, two parties club together and obtain a premium where competition is limited, then both advertise premium stock, while in neither yard can be found the pair or the breeding pen that took the premium. A truth may be so stated that it conveys falsehood. But, too often, a pretension is made in an 'ad' that has no foundation. No man would buy either stock or eggs from hundreds of yards, if he saw the reality. I recall a case where a visitor made some criticism on the stock, which was admitted, and then it was said "they are just as good to sell eggs from." Looking over a certain breeder's yards for an hour, he told me more untruths than any Oriental would in the same time—lies that I *knew* were lies; yet his 'ad' *looks* as well as an honest man's. In the same paper named above, an eastern breeder, who advertises largely and raises good stock, states in his advertisement what any one, who carefully reads the poultry papers, may know is *false.* He is doing business enough not to need a glaring misrepresentation. Sooner or later the boomerang will return with hard hits. "False in one, false in all" is a kind of chicken that will come home to roost. So your correspondent says along with the POULTRY LETTER "Ring Out the False, Ring In the True."

Booms and rushes are good in their way, but even Westerners will not long feed on wind. Careful inquiry will surely come. The chaff of false claims and mercenary dealing will get sifted out, leaving for permanence only real merit.

April 5th, 1887.

THE CONTACT HATCHER.

BY ISAAC FERGUSON, WINSTED, CONN.

EDITOR POULTRY LETTER:

We have a new departure in the line of artificial incubation, and we think that the principle of construction will commend itself to the best judgment of any one familiar with the subject, and be admitted to be the only correct principle on which to construct a successful Incubator.

It must appear to every one that upon the measure of *similarity,* existing between the natural and the artificial methods, will depend largely the measure of success.

Now, suppose I skin a hen and infuse it with artificial blood, and keep the artificial blood at the same degree of heat as that of a sitting hen, and place this naturalized artificial hen on eggs, what would be the result? Could you imagine a more *perfect* artificial Incubator? The perplexing question of ventilation and moisture would be forever solved, as it is only when the air is overheated, dried up and devitalized by forcing it down upon the eggs, that ventilation and moisture become a necessity.

The Contact Hatcher is provided with a heater that resembles the skin of a hen, and is infused with artificial blood, and kept at the same temperature as that of a sitting hen. This pliable heater rests down upon the eggs and envelopes them as a hen does sitting upon her nest, and is, therefore, a complete imitation of the natural method. The heat is regulated automatically by means of a chamber of compressed air, which is the most sensitive and powerful agent known. The flues opening and shutting by the expansion and contraction of the compressed air, for the purpose of controlling the heat, before the thermometer on the eggs indicates any perceptible change of heat. The *regulator* is a *part* of the machine, and is as *durable* as the machine itself.

The Monarch is Not a Self-Regulator.

BY EDWIN MCKENZIE, NEW HAVEN, CONN.

EDITOR POULTRY LETTER:

Sir:—Certain innocents do not *yet* understand that the Monarch is not a self-regulator. The regulator is the water. This swells and shrinks like the thermostat of an other regulator. But what is it that is regulated? Obviously, the heat of the water. Theoretically the water-heat is constant. Practically it is nearly so. Amidst all changes the water retains, in theory at least, just the amount of heat given to it at the moment of regulation. Any increase of heat sent into the water enlarges the valve-openings just sufficiently to allow the escape of the increment of heat. This is obvious from a bare inspection of the machinery. And if such were not the case, an increase of water-heat would result directly from an increase of lamp-heat, and a corresponding increase of heat in the egg-chamber would follow immediately. *But the great boast is that such is not the case.*

If the heat of the egg-chamber depended wholly on that of the water, that, too, would be constant. But while it depends partly on the heat of the water, it depends partly also on the outside temperature. The latter is variable, and hence the heat of the egg-chamber is variable—the one varying as the other varies.

When a thermostat is in the egg-chamber the heat of the latter is constant, and the heat of the water variable. When the regulator is the water, it is the heat of the water that is regulated, while that of the egg-chamber is variable. And the latter is variable *because* the former is constant.

The regulator of the Monarch regulates the wrong thing in the wrong place. It regulates the heat of the water in the tank, and not that of the egg-chamber. It is, therefore, an awkward, absurd, and ineffective contrivance—a pretentious and misleading sham. Yet the contriver has, for years, chanted hallelujahs over it at noontide and at midnight; and his circular still perpetuates the glorification of it, in the same poor jumble of bastard English, in which he first revealed it to mankind. Confronting, multiplied and crushing demonstrations of its worthliness, he persists in calling it a perfect regulator. Go to, Mr. Jas. Rankin, go to.

MR. EDWIN McKENZIE'S REPLY.

EDITOR POULTRY LETTER:

Sir:—Mr. Wm. L. Dickinson's argument is that if the water of the tank and boiler of the Monarch be cooled by the increasing cold of the outer air, it will at once grow warm because it is cooling.

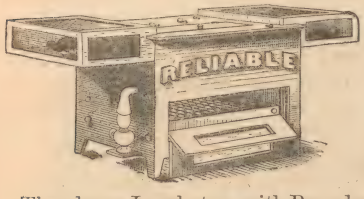
The ass is old and feeble now; let us send it to the knacker's.

Mr. Dickinson has wonderful hatches. If his Monarch has really hatched 120 per cent of the eggs put into it, let him hold up his head like a little man and say so. We shall all believe him, and sympathize with him.

Mr. Dickinson's other statements descriptive of the unequalled excellencies of the Monarch, are well illustrated by the following inedited scrap from Scaliger: "The stream is very small—a mere rill, and it runs up-hill. The slope is considerable, and in the space of 300 feet the rill runs eleven overshot water-wheels and five turbines; and these drive 400 run of stone and twenty-thousand spindles and furnish occupation for 2700 men besides women and children."

New Haven, Conn., April 23, 1887.

THE RELIABLE INCUBATOR WITH BROODER AND RUNS COMBINED.

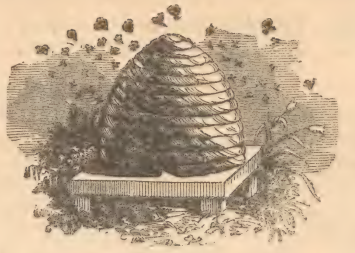


The above Incubator, with Brooder and Runs combined, is the best for the fancy breeder, the market poultry raiser and the home poultry raiser. It is the best, the cheapest and the least complicated machine now made. The Reliable Incubator and Brooder is patented in all its combinations, yet it only serves to protect our business and customers, as we are selling them lower than you could make a single machine, even should you have the combination and specifications in full; our profits being in working every part of the material to the best advantage, and getting our material at wholesale prices.

Address all communications to

RELIABLE INCUBATOR CO.,

Decatur, Ill.



Bee-Keeping and Gardening.

On a small farm, bee-keeping, if honey, and not a trade in bees and queens, be the object, will be profitable and satisfactory. The outlay in labor will be very little. By this is not meant that bees will take care of themselves, although they will do so very nearly; at least they will take themselves off, often without any help. The gardener wishes to economize space and time, and buys say fine colonies of bees, and places them on the south side of some wall or fence, where, as he works, he can see them and attend to them in a moment, if any service be needed.

The space required need be only the width of a hive and fifteen feet in length; a number of such places may be found on any farm, that cannot be utilized in any other way. A southern exposure is best, but bees may be placed anywhere, high or low—on the top of the house, on a board shelf attached to the side of the barn, in the attic of the house, in the loft in the corn barn, or in any place whatsoever. They may do better in some places than in others, but it is sufficiently well established that the place of the hive is of little importance, provided it is convenient for the bee-keeper. Bees have stored large quantities of honey in hives on the roofs of high buildings in the centre of cities, and in other out-of-the-way places.

The first Italian bees in Maine, easily distinguishable from the natives, were seen twelve miles from their hives. It has been shown again and again that the distance traveled by bees was, at least, five and six miles, and that they went that distance from choice, when pasturage was nearer.

The gardener has five hives. If they are in box hives, he must watch them closely in swarming time, and this will be no task, because he is nearly all the time engaged in other work. When the swarm appears, he has only to hive and place with the others. Of course, hives must be in readiness beforehand. If the gardener's interest prompts him to use the wooden frame hive, he may know to a day when his bees will swarm by an examination of the brood-nest. For example, if he examines every hive on Monday and finds no queen cells begun, he may know that no swarm will appear for a week at least. This is a great advantage, because, with the knowledge obtained by examining the hives, he may be away from home several days, and know that no swarms will issue during his absence.

But the product of honey is not the only profit to the gardener. Perhaps the greatest labor for man, performed by bees, is the distribution of pollen from flower to flower. It is believed that the bee is profitable to the farmer, even if not an ounce of honey be produced for the farmer's use. A gardener in southern New England raises early cucumbers under glass. There will be no fruit unless the flowers are fertilized, and for this purpose a colony of bees is placed in the greenhouse. A florist employs bees for the same purpose, keeping the hive inside the house at first, and afterwards moving into the garden.

Bee-keeping stands upon its merits, and is profitable as a separate, a sole industry, and with small farming and gardening, it is particularly agreeable, inexpensive and satisfactory.—*Geo. A. Stockwell in Country Gentleman.*

CHANGING THE QUEEN.

Queens are now safely shipped by mail, which enables the keeper to easily change his stock whenever he feels inclined to do so. If you have the common bees, and prefer the Italian or Cyprian, order a fertilized queen from some reliable dealer in bee-keepers' supplies. She will come to you in a little cage, or you may transfer her to a cage specially provided for the purpose. On her arrival destroy the old queen, as well as all the queen cells in the hive. This will, of course, cause great commotion among the bees, and the new queen should be introduced at once, safely protected in the cage, or the bees will gratify their vengeance by killing her, especially as she is a stranger. In a few days, however, they will acknowledge her as queen, which may be noticed by the regular-

ity which again occurs in the hive, and she may then be liberated from her cage, when she will at once assume and perform her duties. In a short time the bees will appear as though the hive contained two colors of inhabitants, but as all the young bees, that come out, will be Italians or Cyprians, the old stock will gradually disappear and the colony be completely changed.—*Southern Cultivator.*

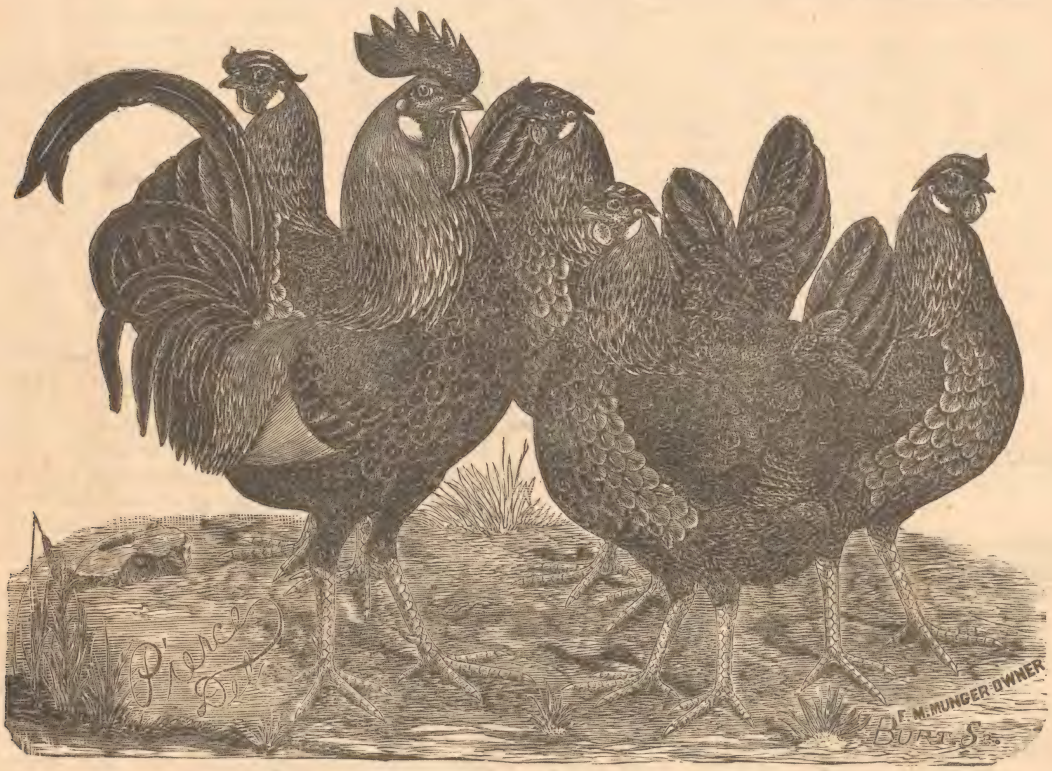
Now its Waldo, Bain, Gross, Van Derveer, and Rick. Next!

Prize Breeding Pen Brown Leghorns at the Great Chicago Show, 1886.

This breed of fowls originated in the city of Leghorn, Italy, whence they take their name. They are usually supposed to be non-setters, but occasionally a hen will bring off a brood of chicks successfully. The chicks mature early and feather out fast. Pullets often begin laying, and cockerels begin crowing, at four months of age. Larger results in eggs, with less food, are realized from the Leghorns than any other known breed. Their eggs are of good size and of good flavor. Being fine foragers they are less liable to disease than other fowls, contracting nothing from each other but the excellent habit of almost "every-day-laying." For some time, after all other fowls have gone to roost, these chicks can be seen scratching and searching for bugs and evening insects.

The Standard description of this breed is as follows: The cock has a neck of golden bay, striped with black; back, very dark red, the feathers striped with golden bay; the breast and under part of body, black; tail, greenish black; wings, in parts dark red, golden brown and black. The color of the hen is more sombre, yet very pleasing; the neck is of a yellowish brown, feathers striped with black; back, dark brown, each feather penciled with light brown. The Brown Leghorns are not as easily soiled as the White, so they are better adapted to the city. Farmers and those keeping poultry for home use, will find the laying qualities of the barnyard fowl greatly improved by using Leghorn cockerels in their flocks.

SEND in your subscription.



PRIZE BREEDING PEN BROWN LEGHORNS, bred by F. M. MUNGER, DeKalb, Ills.

DUCKS FOR PROFIT.

The Pekin white ducks are the favorite of the *American Agriculturist*, as they are better adapted to this country than the Aylesbury. They breed very true, are of the largest size and look almost like geese in the water or on the lawn. Their plumage is creamy white, of a very brilliant and rich tint. These ducks are extraordinarily prolific, laying often from very early spring late into the summer without any inclination to sit. Their eggs must ordinarily be hatched in incubators or under hens.

WORCESTER, MASS., April 15, '87.
DR. J. L. S. HALL,

Dear Sir:—The March number of the POULTRY LETTER received, and for reading matter, that is of real interest to the poultry fancier, I must say that it rivals many of the older publications. JOHN B. BOWKER.

KENNEDY, N. Y., March 28, '87.
EDITOR POULTRY LETTER:

The person first sending you eight subscribers at 50 cents each, I will give a setting of Single Comb Brown Leghorn eggs, worth $2.00.

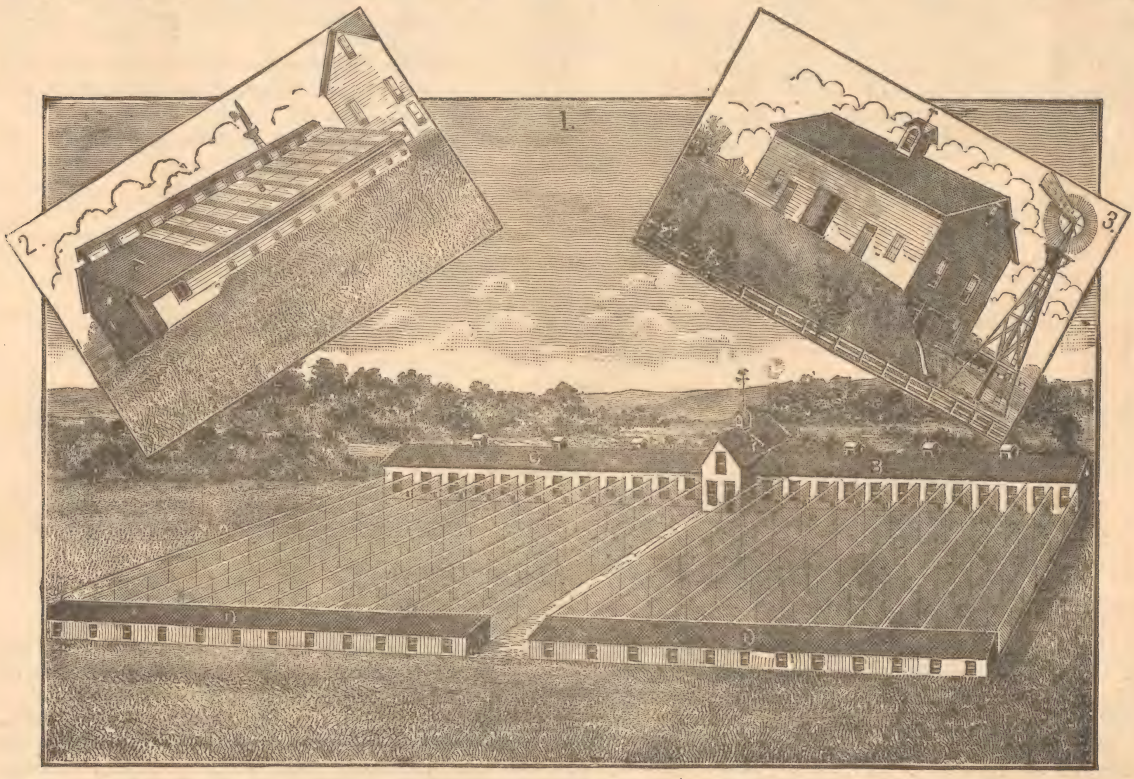
W. B. ELKINS.

A HEN WITH A RECORD.

Springer Bros., of Springfield, Ill., have a Light Brahma hen that has made a record as well worthy of being chronicled among the poultry notes, as the butter tests of some of the famous milkers among the dairy items. She was hatched April 8th, and commenced laying October 8th. On the 29th of April following she hatched ten chickens and proceeded to rear them as a good hen should. In four weeks and a half after she came off with her chicks she began to lay again, yet continued to take care of her chicks for two weeks longer. She then went to setting again, although the chickens were not yet weaned. During most of the day these roamed the garden and truck patch, but at night returned to the hen on her nest, were they were kindly received and allowed to brood under her wings and help her cover the eggs. But, for the good and safety of the coming hatch, they were finally taken away and compelled to roost elsewhere. This hen is both useful and ornamental, if by the latter is meant "show stock." She is full sister to the first prize Light Brahma Cockerel at the State Poultry Show, Des Moines, Iowa, bred by Springer Bros., and sold to Phil. D. Miller & Sons of Panna, Iowa.—*Western Rural.*

THE conductor exclaimed angrily: "Here! don't do that. You're ringing the bell at both ends of the car." "That's all right. Bedad, an' I want both ends of the car to shtop.'

"BUSINESS before pleasure," as the man said when he kissed his wife before going to the club.



MICHIGAN POULTRY FARM.

THE GROUNDS AND BUILDINGS.

Our poultry farm consists of eleven acres fine sandy land, located within the limits of Saline, a thriving little city in Washtenaw county, the banner county of Michigan. We are nine miles from Ann Arbor, where is located the great University of Michigan.

Our buildings, a limited view of which is given on this page, we will briefly describe as follows: The main view 1 gives a "bird's-eye" view of our main breeding house and yards. The wings B and C are each 100 feet long by 16 wide, and 8 feet high to caves, each divided into twelve spacious pens, 8½x13 feet, thus giving over 100 square feet to each flock of eight or ten fowls kept in them.

The center building A, which connects the two breeding houses, is 16x20, one and one-half stories high, and is used as a granary, cook-room, etc., as more fully described in ground plan.

The spacious yards, of which each pen has one, face the south and are built of "Standard" wire netting, four feet wide, attached to a tight base of boards two feet high, thus making a six-foot fence; the object of the tight base being to prevent fighting among the males. Each yard opens into a shed, as shown by DD., the floor of which is loose gravel. These sheds give the fowls a shady place in summer, and also a comfortable place to scratch in during winter, as each shed has a window to to the south.

To the south, east, and west of the yards and sheds are several acres divided into small fields, (not shown in cuts), which are kept in grass and into which the fowls are turned from the small yards alternately, thus giv-

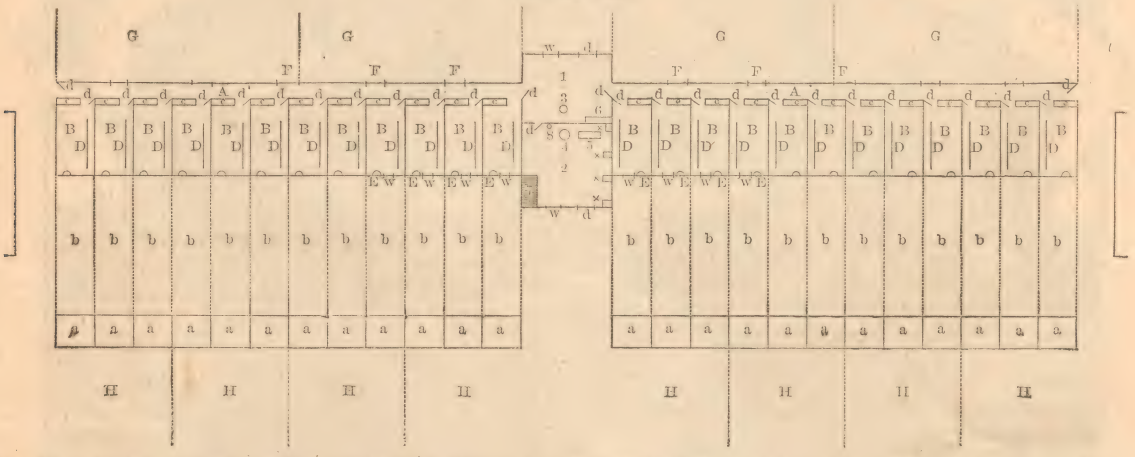
ing them abundant range and grass, which is very desirable.

GROUND PLAN.

This cut shows, on a very diminutive scale, the ground plan of our extensive breeding house shown on page 43. By carefully studying it you will be able to get an idea of the interior arrangement, but to get an idea of its size you must imagine, instead of this very small cut, a mammoth building, the combined length of which is 216 feet. As before stated each wing is 100 feet long by 15 wide, divided into twelve pens, each $8\frac{1}{4}$ by 13 feet. A hallway, (A) extends along north side of each. The division between pens and along hallways are made of six-foot "Standard" wire netting attached to a two-foot tight base between pens. and out, thus making the nests quite dark, which prevents egg eating.

The 20-inch space from nest to floor is open slat work—slats 3 inches apart. Along this slat work, in hall, is a galvanized iron water trough, 8 inches from floor, extending entire length of hall, from which the fowls drink by reaching through the slat work. Our plan of watering we consider the most convenient we ever saw. The troughs in hallways, which are 100 feet long, are placed on a slight incline with an outlet at lower end. In upper story of center supply building is a large water tank, constantly kept full by a wind-mill, and from this tank pipes lead to water troughs in halls, and thus by a simple movement of the hand to open faucets, water is furnished every fowl in the building. Our water-supply ground plan as follows: The lower floor is divided into two rooms, (1 and 2) with a door leading from 1 into each hallway; 3 is a coal stove which, in cold weather, not only makes it more comfortable for the attendants, but by opening the large door leading to halls, the entire building is slightly warmed. In this room is also a large egg-cabinet, represented by 6. Each egg is marked as taken from the nest, and placed in the cabinet, where is a tray for each breeding pen; 4 is a small steam boiler, which supplies steam for cooking feed, which is done in a large cooking vat, (5) to which the steam is carried by a pipe from boiler. Another pipe from boiler leads to a large water tank on upper floor, and thus, by simply turning on a little steam, we slightly warm water for

GROUND PLAN.



D D D are the perches, which are regular benches, 9 feet long, 20 inches wide and 20 inches high, with perch 8 inches above top of bench, which forms a drop-board from which the droppings are removed every morning. These benches being portable can at any time be removed or placed in any part of pen. C C C are the nest-boxes, which are 6 feet long, 22 inches wide and are placed 20 inches from floor, projecting into hall 6 inches, where is a hinged lid for removing eggs. The part projecting into pens are covered with a hinged lid on roof, placed on a slant.

The interior divisions of nests are made portable—all in one piece—and thus by lifting the hinged top, they can easily be removed and the entire nest-box readily cleaned out. These nest-boxes are made with closed fronts, only a small opening being left at each end for fowls to get in being almost inexhaustible, water is constantly kept running into troughs at upper ends, while the overflow runs out of outlets at lower ends, into underground drains, which carry it away. Thus our fowls have virtually a running stream of pure, fresh water constantly before them. By simply drawing a plug, all water runs out of troughs, which can thus be easily cleaned when necessary.

Each pen has a large window to south, extending nearly to floor, thus giving ample sunshine and light. d d d are doors 2 feet wide by 7 feet high, leading from hall into each pen, and are all hung with patent spring hinges, thus saving the trouble of stopping to adjust any fastenings.

G G are large yards enclosed with wire netting, in which are reared the little chicks.

The arrangement of the center supply building, is shown in foregoing fowls in very cold weather. In this room is also a Wilson Bone Mill, which we find a great convenience. 7 shows stairs leading to upper floor, where are six large bins for grain and feed, which is drawn through spouts (x x x) on lower floor. Stairs also lead to cellar, where are stored cabbage, potatoes, turnips, etc., for winter feed.

All our buildings are ceiled on the outside with drop siding, under which is a lining of tarred felt and also ceiled inside with matched ceiling. The roofs are laid of matched lumber which is covered with tarred felt, and then shingled, thus making them warm and proof against vermin. The floors of pens are always kept covered with several inches of dry earth, straw and chaff into which grain is thrown, thus making our hens "scratch for a living." Each flock has a dust tub which they enjoy

very much. Also a trough, divided into three compartments in which is kept a constant supply of crushed oyster shell, bone meal and charcoal. We do not crowd our fowls. Our buildings, although large, contain no more fowls than we find in buildings scarcely have as large.

At the rear end of our little farm is a small spring brook which is dammed and makes a splendid pond for our ducks. Nature has done everything to make our grounds exactly adapted for the purpose we use them, and we, too, have done considerable, having expended over $5,000 in making them what they are.

BREEDING GAMES.

A well tried breed of cocks, which have generally gained the odd battle when equally matched, being obtained, consider them the stock to breed from; the nearer their colors the more kindly they will unite. Never breed from two old fowls; let one at least be young—be also thoroughly convinced that the cock is quite sound, by attending to his mode of feeding. Should he eat corn enough to make his crop very hard, and digest the same speedily, that is a sure token that his constitution is good, as that it is rotten when he eats but little, and has, besides, a bad digestion. To be still more sure, try also by running him down in a field, and sparring with another cock, at either of which he is unsound, he will turn black in the face. Try the hens in like manner. Three or four hens are enough for one cock. Let them be sisters, if possible. The breeding place should be well aired, and entirely free from other fowls, lest the hens should be trod by other cocks. Clear water, grass, gravel and lime rubbish, and an occasional change of food, is good—as barley, oats potatoes, a little meal, toast and ale, etc. The roosts should be rather low, as the heavy fowls would, in descending, cripple themselves. The perches should be exactly suited to the grasp of the foot. The keeping of pigs, ducks, or allowing the fowls access to coal ashes or soap suds, produce the roup. There should be no geese or turkeys at the walk, as they are always battering the fowls. The nests should be made of clean, dry straw, rubbed soft between the hands, and put in a basket, earthen pan, or some such dish, and about a foot and a half from the ground. Hay is injurious to eggs, faint in smell, and is apt to engender vermin. There should be more nests than hens, as it will prevent them from quarreling and breaking the eggs. One egg should always be marked with ink, and left for a nest egg, that you may know it from the others. As the eggs are laid, take them from the nest, mark and put them in bran, small end downwards. When a hen begins to cluck, do not save any more of her eggs for sitting. If a cock dislikes any of the hens they should be removed. About a dozen eggs are enough for a clutch. As the hen hatches the young they may be taken and put in flannel, in a basket near the fire, till the last is hatched, feeding them three times a day, till they rejoin their mother, on crumbs of bread, hard boiled eggs, chopped raw meat, grits, etc.; and when returned to the mother do it by night, when she is on the nest, otherwise she might think them strangers and destroy them. They should then be conveyed to a dry place, where there are neither cats nor vermin, and for ten or twelve days the hen should be cooped to prevent her from wandering and fatiguing the chickens; they should have clean water, fresh every day. At about six weeks old, when their sexes can be distinguished, select those which are to be kept, and destroy the rest, that the remaining ones may thrive the better by getting the whole attention of the mother. Those chickens are of little value that are hatched later than May; and those hatched before the end of March are often cramped by cold; such as are later than the beginning of June never run so high upon leg. and are light fleshed or large boned. Cut the young cocks' combs at the age of four months, and about five or six weeks afterwards their gills and deaf ears. The young cocks should be marked with scissors, by slitting part of the web of the foot, or cutting a small notch in the nostril, or punching a small hole in the web of the foot with a shoemaker's punch. Some do so to the web of the wing nearest the shoulder; others take a small notch out of the upper eye-lid, by laying the scissors flat to the side of the head, and cutting out a very small piece of the lid. A clear air, good food and pure water, with perfect exclusion from other fowls, constitute the best walk, where, as before mentioned, they can obtain grass and gravel. At about twelve months old they are called stags, and when two years old they are termed cocks. The short legged, or worst of our stags, should be tried against a good cock, to enable you to judge of the qualities of the remaining ones, for if he should beat the cock, there is every reason to consider the others good. Short spurs are best for this purpose.

It is always a sign of a hen being in good health, and clean fed, if the yolk of her egg, when boiled, is of a pale yellow; when of a dark red, the reverse. Chickens are composed of the tread and white of the egg, as the yolk comes to the world with them in their inside, on which they chiefly subsist, till they gain sufficient strength to follow their mother; for the first thing a hen gives her chicks is the small chips of broken shell out of which they come, which cut the yolk in their inside, and thereby promote digestion.

Fowls that once had the roup can never be entirely relied on, as being either sound enough to breed from, or to fight.—*James.*

HEARTH AND HOME.

THE ELF CHILD.

BY JAMES WHITCOMB RILEY.

Little Orphant Annie's come to our
house to stay,
An' wash the cups an' saucers up, an
brush the crumbs away,
An' shoo the chickens off the porch,
an' dust the hearth, 'an sweep,
An' make the fire, and bake the bread,
an' earn her board an' keep;
An' all us other children, when the
supper things is done,
We set around the kitchen fire an'
has the mostest fun
A list'nin' to the witch tales, 'at Annie
tells about,
An' the gobble-uns'll at gits you
Ef you
Don't
Watch
Out!

Onc't they was a little boy wouldn't
say his pray'rs—
An' when he went to bed at night,
away up stairs
His mammy heerd him hollor, an' his
daddy heerd him bawl,
An' when they turn't the kivvers
down he wasn't there at all!

An' they seeked him in the rafter-room, an cubby hole an' press,
An' seeked him up the chimney-flue, an' everywheres, I guess,
But all they ever found was this—his pants an' roundabout!
An' the gobble-uns'll git you
Ef you
Don't
Watch
Out!

An' one time a little girl 'ud allus laugh 'an grin,
An' make fun of ever' one an' all her blood and kin.
An' onc't, when thare was "company," an' old folks was there,
She mocked 'em an' shocked 'em, an' said she didn't care!
An' jis' as she kicked her heels, an' turn't to run an' hide,
They was two great big Black Things a-standin' by her side,
An' they snatched her through the ceilin' fore she knowed what she's about!
An' the gobble-uns'll get you
Ef you
Don't
Watch
Out!

An' little Orphant Annie says, when the blaze is blue,
An' the lamp-wick sputters, an' the wind goes Woo-oo!
An' you hear the crickets quit, an' the moon is grey,
An' the lightnin' bugs in dew is all squenched away—
You better mind yer parents, and yer teachers fond an' dear,
An' churish them 'at loves you, an' dry the orphant's tear,
An' he'p the po' and needy ones, 'at clusters all about,
Er the gobble-uns'll get you
Ef you
Don't
Watch
Out!

THE most skillful poultryman that we know of provides his hen-houses with perches nearly three inches wide, slightly oval or rounded on the upper surface. They are only eighteen inches from the floor.

A FINE BOOK on Pit Game Fowls, by Mr. F. H. Hayes, is for sale at this office. Price only 25 cents. This book, and the POULTRY LETTER one year, for 60 cents.

PREMIUMS AWARDED.

FAYETTE COUNTY POULTRY AND PET STOCK ASSOCIATION.

The following premiums were awarded at the Poultry Show, at City Hall, Washington, C. H., O., February 22, 23, 24 and 25, 1887.

LIGHT BRAHMAS.

Best Cock, A. Ware, Washington, C. H.; second best (cockerel), A. Ware. Best Hen, A. Ware; second, W. C. Rickets, Washington, C. H. Best Pullet, A. Ware and Ed Klever, Bloomingburg; second, A. Ware. Best breeding pen, A. Ware; second, Ed Klever; third, Klever & Salmon, Bloomingburg.

PARTRIDGE COCHINS.

Best Cockerel, John A. Paul, Washington, C. H.; second, Dalbey Bros., Washington, C. H. Best Pullet, Dalbey Bros.; second, John Paul. Best breeding pen, Dalby Bros.

BLACK COCHINS.

Best Hen, Jas. Lindsey, Madison Mills.

WHITE COCHINS.

Best Cockerel, Eli Flowers, Washington, C. H. Best Hen, Eli Flowers. Best Pullet, same; second, same. Breeding pen, same.

BUFF COCHINS.

Best Cockerel, Baker Bros., Washington, C. H. Best Pullet, same.

LANGSHANS.

Best Pullet, E. P. Mills, Sabina; second, same.

COLORED DORKING.

Best pair, Jas. Lindsey.

SILVER SPANGLED HAMBURGS.

Best Cockerel, Dalbey Bros.; second, C. C. Parrett, Parretts, O. Best Hen, C. C. Parrett; second, same. Best trio, C. C. Parrett.

GOLD SPANGLED HAMBURGS.

Best Hen, Klever & Salmon.

GOLD PENCILED HAMBURGS.

Best pair, Jas. Lindsey.

BLACK HAMBURGS.

Best pair, Jas. Lindsey.

WHITE HAMBURGS.

Best pair, Jas. Lindsey.

WHITE FACE BLACK SPANISH.

Best Hen, J. B. Collier, Washington, C. H., O.; second, Jas. Lindsey; Best pair, J. B. Collier.

WHITE LEGHORNS.

Best Cockerel, Jas. Mendenhall, Sabina; second, Benj. Rodgers, Sabina. Best Pullet, Jas. Lindsey; second, Jas. Mendenhall. Best breeding pen, Jas. Mendenhall; second, Benj. Rodgers.

BROWN LEGHORNS.

Best Hen, Jas. Lindsey; second, Jas. Lindsey. Best breeding pen, same; second, L. P. Reid, Washington, C. H.

ROSE COMB AND BROWN LEGHORNS.

Best Cockerel, Dalbey Bros. Best Hen, same.

BLACK LEGHORNS.

Best Cock, Jas. Lindsey. Best Hen, same.

HOUDONS.

Best Cockerel, Wm. Scott, Zanesville. Best Hen, Sam Yates, Sedalia; second, same. Best Pullet, Wm. Scott; second, Sam Yates. Best trio, Jas. Lindsey; second, Wm. Scott.

WHITE CRESTED BLACK POLISH.

Best Cock, Wm. Scott. Best Cockerel, Dalbey Bros.; second, J. B. Collier. Best Pullet, Wm. Scott; second, J. B. Collier. Best breeding pen, Wm. Scott; second, Dalbey Bros.

WHITE CRESTED WHITE POLISH.

Best Cockerel, Jas. Lindsey; second, Dalbey Bros. Best Pullet, Dalbey Bros.; second, Dalbey Bros. Best pair, Dalbey Bros.

BLACK-BREASTED RED GAME.

Best Stag, Roy Hagler, Haglers, O., and C. C. Harrett, tie. Best Pullet, C. C. Parrett; second, same. Best pair, same.

RED PYLE GAME.

Best Stag, C. A. Palmer. Best Pullet, C. C. Parrett; second, same. Best pair, C. A. Palmer.

WHITE GEORGIA GAME.

Best pair, Jas. Lindsey.

BLACK SUMATRA.

Best pair, C. C. Parrett.

PIT GAME.

Best Cock, Jack Hays, Washington, C. H.; second, Roy Hagler. Best Stag, C. A. Palmer; second, C. L. Thornton. Best Pullet, C. L. Thornton; second, Wm. McDonald.

PLYMOUTH ROCKS.

Best Cock, Jas. Lindsey; second, Jas. Mendenhall. Best Cockerel, Dalbey Bros; second, E. S. Sieburn; third, G. M. Eichelberger, Jeffersonville, and W. R. Hukill, Convenience, O., tie. Best Hen, Jas. Lindsey; second, same. Best Pullet, G. M. Eichelberger; second, O. L. Fletcher, Washington, C. H.; third, G. M. Eichelberger. Best breeding pen, G. M. Eichelberger; second, O. L. Fletcher; third, Jas. Mendenhall.

[TO BE CONCLUDED IN JUNE NUMBER.]

BLACK MINORCAS, as bred by MR. H. M. FALES, LA SALLE, N. Y.

"MUSIC IN THE AIR."

BY J. E. WILLIAMS, 935 THIRD STREET, DES MOINES, IOWA.

EDITOR POULTRY LETTER:

In the March issue of your most interesting LETTER there appeared an article under the above caption that inspired a belief, in our heretofore doubtful mind, that at last we had found one editor who dare stand up and denounce a scheme, or fraud, no matter who the party might be or how liberal a patron of printer's ink. One short month passes, and alas for human frailty, the independence of the poultry editor vanishes, and we are told that the harp that was to furnish "that music" has been rudely destroyed "by arbitration." A careful perusal of the advertising pages of the April issue of the LETTER discloses the fact that a "gentleman in the East, whose kite has been soaring tremendously high for a long time," and who "has received at the hands of the poultry press a very great amount of gratuitous advertising in the past," has of a sudden discovered the existence of the POULTRY LETTER, and deems it expedient to avail himself of the benefits of its extensive circulation to further advertise and secure new customers. Consequently the readers of the LETTER are informed that its editor is pleased to state that the matters in dispute, and for which they were promised "Music in the Air," have been settled by arbitration.

We all know that to publish a poultry paper requires both money and brains. The latter is more easily dispensed with by borrowing from others, but the money is not so easily

sponged; therefore it is very necessary to the success of any paper that it has a liberal and paying advertising patronage, and it often takes "Music in the Air" to bring some would-be noted breeders to a full realization of the fact that they "stood on slippery places." A publisher cannot afford to print a good paper for the mere subscription price alone. He must have the advertising patronage of the dealer, and he cannot always afford to draw the line between the honest and the dishonest breeder, for fear of the withdrawal of valuable patronage. Therefore if one is to be disappointed and shown the cold shoulder it is the one who pays the paltry price of a subscription, and not the money advertiser. The fraud is allowed to ply his nefarious calling, swindling his customers at every turn, and as long as he pays the printer he receives protection. At last the time comes when he fails to deal squarely by the printer, then comes the protection heretofore so vainly looked for.

THE HONEY CROP.

BY A. H. DUFF, CREIGHTON, OHIO.

EDITOR POULTRY LETTER:

In our article last month on Spring Management we gave directions for getting the bees ready for the honey crop, and while we left you with all your colonies strong in bees and ready for business, we promised this month to give directions how to care for them. If you expect to increase the number largely, of course, you can't expect much surplus honey. If it is the intention to increase the number of stocks we should at once commence queen-rearing, of which full directions will be found in the March number of the POULTRY LETTER. A good supply of young laying queens is half the battle in increasing. We always prefer our colonies to swarm once each, if we can get them to do so at about the required time, and this can nearly always be accomplished if attention is given them by feeding at a time that no honey can be gathered. In making preparations for swarming we should have our hives all planted to their places. The number we expect to use should be set in hexagonal form, six or eight feet apart each way. A bank of coal ashes or sand should be made to set the hives on, and banked up. In front level, with the entrance of hive with the same material; a light covering of saw-dust should be spread on top of this. Now we must have a swarming-box to take the swarms down off the trees with, and thus put an end to cutting and mutilating fruit trees. A box eight inches square by eighteen inches long, made of $\frac{1}{2}$ stuff, with one-inch holes bored to the amount of eight or ten in each side, and a handle about twelve feet long, run clear through at the side and in center of box. After the swarm is pretty well settled, take the box and push it up into the cluster of bees, and they will march right into it, when it can be carried to the hive and the bees shaken into it, or in front of the entrance. The parent stock thus left queenless (as the old queen always comes with the first swarm), must be furnished with one of our young laying queens and all queen cells destroyed. In about seven or eight days we can divide this stock again, furnishing a laying queen to the queenless half. In dividing it is not a good idea to weaken our stocks by making too many divisions at first, but keep them strong as we go along, and it will last longer. At the same time the first swarm can be divided, making four colonies out of one in seven or eight days. This may be kept up right along as long as the honey-flow lasts; and it depends entirely on the length of time honey can be gathered as to how many colonies we can make. Now, if we don't wish any increase, but the greatest amount of honey, we must not divide; but if our colonies are very strong we may let them swarm once each, and not allow any more increase. We think a larger amount of honey can be obtained, providing a colony is powerful strong, to let it divide itself into a natural swarm. The proper time to put on surplus boxes is when the lower story is about full, as bees will seldom go into surplus boxes when they have abundance of room in the brood-chamber. Foundation or clean white honey-comb should always be used as starters in the surplus boxes. The great secret is to *keep the bees strong and give them abundance of storage room.* As soon as boxes are filled with honey and sealed over, take them off and replace with empty ones, if for comb honey. If for extracted, always extract before the combs are sealed over. You will find some good hints on extracting in the December number of the POULTRY LETTER for 1886.

A Warm Reception.

The Midget has had an "awfully cordial" welcome from the poultry press. The only one which has noticed us in any way is the POULTRY LETTER, published by Dr. Hall, at Chicago. Never mind we will make some of them hump before long. While we would highly appreciate a friendly welcome, we can get along without it, as the number of advertisers and subscribers we are getting fully demonstrates.—*Poultry Midget.*

Of course the "old reliable" (?) journals, as they are pleased to style themselves, will not notice you. The *Midget* is too young—it's on probation now. The "old reliable" journals can't notice new journals—it's not in their constitution, and will never be in their hearts until it becomes their interest to do so. You remember the treatment that was accorded the *Poultry Keeper* when it started in this city some years ago. These same journals poked all sorts of stale jokes at it—made every sort of sport at the *Keeper's* expense. But how does it stand to-day? This same *Poultry Keeper* has the largest *bona fide* circulation of any poultry paper in America.

We were singularly fortunate when we unfurled the POULTRY LETTER'S banner, a year ago. We received a very cordial and seemingly hearty welcome from all the poultry press of America—save three—and they have yet to say welcome to the CHICAGO POULTRY LETTER.

We take this occasion to say here, that we did not expect to find anywhere among the American poultry press three hearts so terribly selfish—three "souls so dead," so cold, that in a whole year they could not find time to say one good word for a competitor.

The POULTRY LETTER wishes prosperity and long life to every honest publisher of a poultry journal, as well as for every honest fancier in the land. To all of them we extend a friendly and helping ☞.

CAPT. H. W. LEMON, Mansfield, Ohio, makes a specialty of breeding Black Cochins. We have received a very fine electro of a pair of his birds, and will illustrate them in the LETTER at an early date. See his advertisement.

A NEW type writer for sale cheap. Address, Dr. J. L. S. Hall, Chicago.

A. C. HAWKINS, Lancaster, Mass., —he of the White Wyandotte Electro fame—has "taken in" an pivid Kidder of the *Poultry Chum* badly.

THE subscription price of the POULTRY LETTER will be 50 cents per annum until January 1st, 1888.

WELCOME as the spice-laden breezes from sunny climes is the Chicago LETTER. Doctor, you're a brick. —*New England Fancier.*

"You're another."

MR. M. A. FAY, of the *Western Weekly Review*, Madison, Wis., has moved to Camden, Wis., on account of ill health.

CHICAGO POULTRY MARKET.

Reported by Messrs. F. Frazier & Co., Commission and Poultry supplies, No. 59 Market Street, expressly for the POULTRY LETTER.

Chicago, Ill., May 15, 1887.

TURKEYS.

Live Hens..8½ Mixed..7 Toms...
Frozen " . 9½ " ..8½ Old ...7

CHICKENS.

Live Hens..8 Mixed..7½ Cocks. 5
Frozen " ..9½ " .. " .
Springs, 3.50 to 5.00 per Doz.

DUCKS.

Live..7½ to 9. Dressed..8 to 10.

GEESE.

Live, 6.00 Doz lb.. Dressed 6 to 8

TAME PIGEONS.

Live, pr. Dz. 1.50 Dead, pr. Dz. 1.25
Eggs, strictly fresh, 11.

HONEST BREEDERS OF HIGH-CLASS POULTRY.

We consider all the breeders whose names appear in this list as honest and thoroughly reliable, and take pride in recommending them to our patrons. Parties wishing their names to appear in this column must satisfy us that they are all right. A charge of one dollar per annum will be made and payable strictly in advance.

Theo. Worland, 112 East 39th St., Chicago, Ills.
C. W. Culbertson, Shelbyville, Ind.
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Fred. H. Shellabarger, Letts, Iowa.
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Fred. E. Scheel, Belleville, Ill.
A. A. Halladay, Bellows Falls, Vermont.
P. W. Corya, M. D., Moores Hill, Ind.
J. D. Nevius & Co., 204 Walnut Place, Philadelphia, Pa.
C. B. Bixby, Mentor, Ohio.
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Mrs. J. B. Howe, Kentland, Ind.
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Everybody to know that every purchaser of two settings of eggs from his prize-winning birds, at our order, Mr. Frank Crowell, Goshen, Indiana, will give one year subscription to both THE CHICAGO POULTRY LETTER, and *Poultry and Pets*, of Ft. Wayne; to the purchaser of one setting, the POULTRY LETTER for one year.

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53 Premiums won at our show: 19 firsts, 13 seconds, 3 thirds, and 17 specials. "Ideal" strain of Wyandottes, White Cochins, Langshans, S. S. Hamburgs, Black Hamburgs, Black Leghorns, White Polish, W. C. B. Polish, Silver B. Polish, Black African, and Japanese Bantams.

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Eggs for hatching from Prize-Langshans, Light Brahmas, Plymouth Rocks, White and Brown Leghorns, $1.25 per 13. Wyandottes, $1.50 per 13. Bronze Turkeys and Toulouse Geese, $2.50 per 13. Satisfaction guaranteed. Illustrated circular free.

FRANK HARDWIDGE,
Mention Letter. 1moMy PONETO, IND

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Particulars **free** if you mention this paper.

INDIANAPOLIS, - - INDIANA.

For Poultry Buildings we are now manufacturing a most excellent roof for **$2.00 PER 100 SQ. FEET,** also first quality tar sheathing for lining inside at **$1.50 Pr. ROLL OF 300 Sq. FEET.**

Sure death to chicken lice. Try it.

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ENVELOPES,
NOTE-HEADS,
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ETC., ETC., ETC.

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All work neatly and promptly executed. Write for what you want and we will give prices. Address:

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WHITE WYANDOTTES,

Langshans and Laced Wyandottes.

Our circular contains the finest illustration of White Wyandottes yet produced. Send for it. Stamp if convenient.

Mention LETTER. 1yApl. *HUNT BROS., Greenwood, Ill.*

THE NATIONAL MONITOR

—OF—

POULTRY AND PETS.

☞ The Only Journal of its class published. ☜

A Monthly Encyclopedia of Information, concerning the Breeding and Care of High-Class Poultry and Pet-Stock. For Pleasure or Profit! Ably Edited and Handsomely Illustrated.

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Eggs and Stock for sale in season from HIGH SCORING **Wyandottes, Plymouth Rocks, R. C. B. Leghorns, Bronze Turkeys, Pekin Ducks,** and a litter of the finest Scotch Collie Pups, ready for shipment now. SATISFACTION GUARANTEED. Try him once. Send for Circular. Address,

FLORIAN RUEDY,
BUFFALO CITY, WIS.

Mention LETTER. [1y Feb

SCOTCH COLLIE DOGS!

or SHEPHERD DOGS.

Handsome, Intelligent and Useful

As guardians of property, as companions for children and for handling stock of all kinds, the Collie is not excelled by any other breed of dogs. My dogs are descendants of some of the finest Collies ever imported. I **furnish full pedigree** and sell at very reasonable prices.

F. W. GEORGE,
WILLIAMSTOWN, IOWA.

Mention Poultry Letter. 1y Jan

Plans For INCUBATORS!

If you want honest Incubators, capacity from 200 to 1600, with *latest improvements,* scoring from 90 to 99 points, built by an honest man. Send 5c in stamps to *J. W. HILE, Valley Falls, Kansas,* for plans and build the Incubators yourself.

Mention Poultry Letter 3m Feb

EGGS! EGGS!

—FOR SALE BY—

NIAGARA POULTRY YARDS,

FROM BLACK AND WHITE

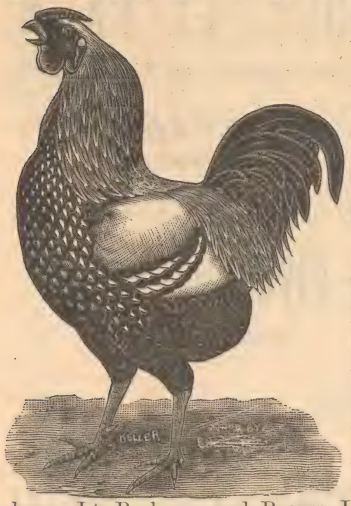
MINORCAS

Address,

H. M. FALES,

LA SALLE, Niagara, Co., N. Y.

PRESTON'S STANDARD WYANDOTTES



Heavy Lacing, Good Wing Bars, Fine Low Combs, with Spike Curving Closely with Back of Head and First-class Style Symmetry.

20 Grand Breeding Pens for 1887. Superb Matings; Equaled by FEW, Excelled by NONE.

EGGS From Four pens of the FINEST EXHIBITION STOCK, headed by two famous Cocks, EARL and TRUXTON, and Cockerels EARL 2nd and TRUXTON 2nd, at $5 per 13, $8 for 26, $10 for 39. Eggs from 16 other pens of Good, Pure Breeding Birds, mated for best possible results, at $3 for 13, $5 for 26, $10 for 65. Eggs from the finest Plymouth Rocks, Langshans, Lt. Brahmas and Brown Leghorns at $2 for 13, White Plymouth Rock eggs at $5 for 13, $10 for 39. Mammoth Circulars for a stamp. If you want a Grand Poultry Book,

THINK OF THIS! A Chromo of White Wyandottes! A Chromo of White Plymouth Rocks! Two Chromos of Laced Wyandottes!

Size of each 9x11 inches and in six beautiful colors. With a Standard and Guide for Breeding each variety; the latest writings regarding these and other fowls will be found in the

New Edition of "Preston's Wyandotte Gazette,"

Which has been revised and over doubled in size, and is pronounced the largest and best 50c Poultry Book of the kind published. This book contains, besides the magnificent collections of Engravings of Poultry, Poultry Buildings, etc., a masterly article on W. and Lt. Wyandottes, by A. C. Hawkins, two finely illustrated and most instructive articles on Laced Wyandottes, by Fred A. Houdlette, and a complete guide on Mating, Scoring and Breeding Wyandottes, by B. N. Pierce—and a department devoted to all manner of brief, practical and valuable Poultry Information regarding Incubators and the general care of Fowls. The article on the management of Incubators and Brooders, by P. H. Jacobs, is without doubt the finest work of the kind ever written. And the last ten pages of the book, on "Things You Ought to Know," is worth the price of the work. Size of book, 82 pages, 9x11 inches. Price, with Chromo, 50c; chromos, 10c each. Fine Wyandottes, Langshans, Light Brahmas and Brown Leghorns for sale.

GEO. A. PRESTON, D. L. & W. Ticket Agent, BINGHAMPTON, N. Y.

Mention LETTER. 1yMy

Game Fowls.

NATIONAL CHAMPIONS, Hayes' Hurricanes, Irish Muffs, Prince Charles, Irish B. B. Reds, Shawlnecks, Tait's Claibornes, Dusty Millers, Etc.

Eggs $3 per 13. $5 per 26

Send 25 cents for for my book on Games and stamp for cirulars.

F. H. HAYES, Dexter, Maine.

$2.00

— OUR DOUBLE THICK —

ROOFING

Especially adapted for Poultry Houses, only $2 per square, 100 square feet, complete with caps, nails and coating. You can put it on. AMMONIA PAPER, for lining inside. Will free the Hennery of lice and vermin. 300 square feet for $1.50. Samples and Catalogue free. Address,

Empire Paint and Roofing Co.,

1128-1130 Race St., PHILADELPHIA, PA.

Mention POULTRY LETTER. 3m March

EGGS!

Before ordering eggs send stamp to G. S. BASSETT, Long Point, Ills., for prices of Plymouth Rock, Partridge Cochin, White Cochin, Houdans, Light Brahma, Wyandott and Pekin Duck eggs. May

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ISDDH

-PLYMOUTH- ROCKS

Eggs from pure bred stock in spacious yards at $1 per 13; or from a select flock at $1.50. I charge no fancy prices, but I breed from stock that I needn't be ashamed to show to anybody. **JNO. F. NIEMAN,**

WOODVILLE, Sandusky Co., OHIO.

Mention Chicago Poultry Letter. 1y Mar

LIGHT BRAHMAS

EXCLUSIVELY!

Old Huntress Place. North Attleton, Vt.

My stock is strictly first-class from prize-winning birds. Two yards of fine shaped, beautiful birds, mated with care. Satisfaction guaranteed in every way. Eggs $2 per 13. $3.50 per 26. **JOSPH BAGNALL.**

Mention POULTRY LETTER. 3mApl.

EGGS IN SEASON

from WYANDOTTES, HOUDANS, WHITE POLISH, PLYMOUTH ROCKS, and 18 other varieties of fancy poultry.

Chicks for sale in the fall.

HOLLISTER & CO., Alton, Ills.

Mention Poultry Letter. 1y June

DR. C. B. BIXBY,

(Successor to BIXBY & CROWL.)

MENTOR, LAKE CO., OHIO,

IMPORTER AND BREEDER OF

White, Silver Grey and Colored

DORKINGS

Also Choice Pens of Dark Brahmas and Langshan Eggs, either variety, $2.50 per 13. White Plymouth Rocks (Frosts strain) Eggs, $3.00 per 13. A fair hatch guaranteed.

Mention POULTRY LETTER. [1y June

Wyandotte eggs from the American and Silver Queen Strain $2 and $3 per 13, and $3 and $5 per 26. With a $10 order will make a present of a $3 setting. P. Rocks $1.50 per 13, $2.50 per 26. Pullets and cockerels for sale. HENRY WEISHAR,

Mention Letter. (3m Mar) Box 1316, Freeport, Ills.

A. N. ARMSTRONG,

MENTOR, - OHIO.

—Breeder of High Scoring—

Langshans, White Cochins, White and Colored Dorkins.

Fowls for sale. Eggs $2 per 13, $6 per 39.

Mention Letter. 1yFeb

EGGS —FOR— HATCHING.

Brown Leghorns, Wyandottes and Plymouth Rocks.

Prices reasonable. Special inducements to purchasers. Send postal for circular.

T. I. SUTTON, Sutton, Lenawee Co. Mich.

Mention POULTRY LETTER. 1yApl.

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48 PAGE BOOK "How to Make Poultry Pay and Caponizing," 25c. Patent Caponizing set with above book $3.00. Fowl Markers, 25c. Fowl Syringe, with recipe, 10c. Any of the above sent by mail on receipt of price. BIG PROFITS TO AGENTS selling above specialties. WM. H. WIGMORE, 107 S. Eighth Street, Philadelphia, Pa.

Down With High Prices!

30 TO 70 PER CENT. OFF

ONE THOUSAND DIFFERENT ARTICLES

Sold Direct to Consumers.

The "Little Detective," $3.00

L. D. Postal gives Postage in CENTS. Weighs from ¼ oz. to 25 lbs.

FAMILY SCALES, 240 lbs., $5.

Platform Scales, $11 to $20.

Forges and Blacksmiths' Tools.

Farmers' Forge, $10.

Forge and Kit of Tools, $25.

Farmers can do odd jobs, saving time and money. Anvils, Vises, &c., &c.

WAGON SCALES.

Only manufacturers in America using nothing but the best of English Steel for bearings of all Scales:

2-Ton (6x12) $40.
3-Ton (7x13) $50.
4-Ton (8x14) $60.

Beam Box and Brass Beam with each Scale. 300 other varieties. Also, Trucks, Wheelbarrows, Corn Shellers, Feed Mills, Copy Presses, Money Drawers, Clothes Wringers and all Hardware Specialties.

SAFES OF ALL SIZES.

No. 4, weight 1,100 lbs., $50.

SEWING MACHINES,

PRICES REDUCED FROM $65 TO $18.

A beautiful Machine, perfectly finished, improvement on the Singer pattern, Black Walnut Furniture, containing a full set of latest improved *Attachments*. Warranted perfect. Save money.

Send for Circulars.

Chicago Scale Co.,

151 S. Jefferson St., Chicago, Ill.

Mention Poultry Letter. 1y June

EDGEWOOD POULTRY FARM

POTTSVILLE, PA.

—HEADQUARTERS FOR IMPORTED—

WHITE and BLACK

Minorca and Langshan Fowls.

We are one of the Original Importers of Minorcas and the first to raise a flock of Whites in America. At the great Western National Poultry Show (Chicago, Ill., Nov. 8 to 19, 1886,) we won, on White Minorcas: 1st on Cockerel, 1st on Pullet; Black Minorcas: 1st on Cockerel, 2d on Pullet, 1st on display of Minorca eggs. Send 2c stamp for handsomely Illustrated Catalogue and Price List. Address,

FRANCIS A. MORTIMER,

6mDec] FANCIER and IMPORTER.

—A Grand Success in Poultry Literature.—

THE WEEKLY

Western ⁂ Fanciers' ⁂ Review!

The largest, best and cheapest Illustrated Poultry Publication in the world. It gives all the poultry news of the day, is full of instruction both to the amateur and experienced fancier. Subscription only $1.25 per year, -51 issues.- The Review and Chicago Poultry Letter, both for $1.35. Address

Review Publishing Co., Madison, Wis.

"PER ANGUSTA AD AUGUSTA".

Oak Dale Poultry and Stock Yards,

C. C. HARPER, Prop.,

MT. CARMEL, - ILLINOIS.

High-Class Lt. Brahmas, Langshans, White Cochins and P. Rocks. No Dollar Stock, but cheap for quality. Exhibition birds in every yard. Eggs $2 per 13, $3.50 per 26, $5 per 39. The Chicago Poultry Letter free for one year with every $5 order. I also have for sale Registered Poland China Swine-none better. Plans for making OAK DALE INCUBATOR, the one I use, at a cost of less than $5, sent for 25 cts. Heat, ventilation, and moisture perfect. Mention Poultry Letter. 1y Feb

PLYMOUTH ROCKS

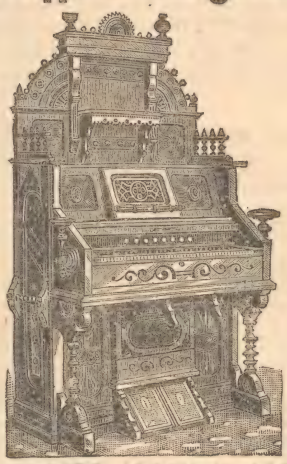
Cock 1st, 92¼; Pullet 1st, 93⅜. Pullets from 1st prize breeding pen, average score 91 9-10; and 5 other Pullets, 90½ to 93, by B. N. Pierce, at Youngstown, Ohio. I believe the above as good eleven birds as there are in one pen, east or west. Eggs, $2.50 per 13. Circular free.

DR. F. C. HINMAN,

1yApl FRIEND, NEB.

THE ALLEGER ORGANS

10 BEAUTIFUL STOPS.



4 SETS OF BRILLIANT REEDS.

This Beautiful **$275 ORGAN** for only **$90.00.**

Stool and Book Free. Other beautiful styles from $50 to $275. Circulars free on application

Special 30 Day offer now ready.

The oldest organ manufacturer in Washington, N. J. *20 years manufacturing organs.* This organ will be sent on 15 days' test trial. *29,000* of these organs now in use. ***They are beautiful, they are sweet, they are lasting.***

Address the manufacturer,

H. W. ALLEGER, Washington, N. J.

14m Feb. '87

EUREKA

First Prize at both New Orleans Exposition. Send 5 cents for 84 page book on Incubators. Address,

J. L. CAMPBELL, W. Elizabeth, Pa.

Mention POULTRY LETTER. [1y June

1877. **Choice Eggs!** 1887.

Eggs for hatching that are fresh and fertile. Eggs that will produce prize-winning stock, $1.00. Wyandottes, S. S. Hamburghs, White and Rose Comb Brown Leghorns, Plymouth Rocks, Black Breasted Reds, Derbys, Pyles, Silver Duckwing and Irish Gray Games. Pekin, Rouen and Cayuga Ducks' Eggs from the above $1 per 13. White Wyandottes, $3 per 13, $5 per 26. White Plymouth Rocks, $2 per 13. Bronze Turkeys, $3.

C. D. SMITH,

Mention Letter 1yMy FORT PLAIN, N. Y.

FARVIEW POULTRY FARM,

Downers Grove, DuPage Co., Ill,

JAS. PRIDHAM,

-- Proprietor. --

Breeder ⁂ of ⁂ Thoroughbred

Plymouth Rocks

EXCLUSIVELY.

—:o:—

300

STANDARD BIRDS

FOR SALE.

My prices are very low for quality of Stock, and I want your orders.

Mention Poultry Letter. 1yFeb

WORLAND'S DARK BRAHMAS.

Won 1st and 2d on breeding pens at the great Chicago show, Nov. 1886. Also 1st and 3d on cockerels and 1st, 2d, 3d and 4th on hens, and 1st, 2d, 3d, 4th and 5th on pullets, and all specials. Well penciled, heavy leg and toe feathers, true color and large size. Eggs in season, $3. Stock for sale. Send for circular. Mention POULTRY LETTER. 1yApl.

Theo. Worland,

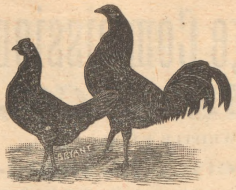
112 E. Thirty-ninth St., Chicago.

Marmaton Valley Poultry Yards.

Mrs. ALLIE E. MILBURN, (Lock box 1401), FORT SCOTT, KAS. breeder and shipper of thoroughbred Lt. Brahmas, P. Rocks, Wyandottes, B. Leghorns, B. Javas, B. Cochins, Mam. B. Turkeys, and P. Ducks. Fowls for sale at all times. Send for circular. Correspondence solicited and cheerfully acknowledged.

Mention Letter 1yMy

IMPORTED BLACK MINORCAS.



Eggs for hatching from best strains of Imported Black Minorcas; Winners of 1st in England and at Philadelphia Pa., show last December. Also, from Games for the Pit, which cannot be beat for fighting and staying qualities. Irish Invincibles, Clayborn, and Georgia Shawlnecks. I warrant all my stock to be as represented.—Correspondence solicited. FOWLS IN SEASON.

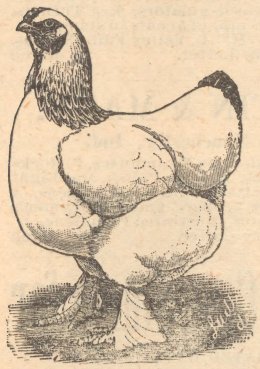
Mention LETTER. 3mApl. **D. A. RAIFF, New Philadelphia, Ohio.**

Rose Comb Brown Lehorns, Average score by Felch, 93¾ Eggs, $2.50 per 13.

Langshans, average score 93. Eggs $2.50 per 13.

Also Pekin Ducks, White Polish, Plymouth Rocks, Wyandottes, Black Leghorns, White Cochins and Light Brahmas—all prize birds. Over 100 premiums on the above in a year. Eggs, $2 per 13. INCUBATORS AND BROODERS that cannot be excelled, at low prices. Send for Circulars. Mention POULTRY LETTER.

6mApl. *A. F. WILLIAMS, BRISTOL, CONN.*



HENRY DAVIS,

DYER, INDIANA,

BREEDER OF

MAMMOTH BRONZE TURKEYS,

Toulouse Geese, Pekin and Rouen Ducks, Light Brahmas, Buff and Partridge Cochins, Plymouth Rocks, Wyandottes, and B. B. R. Game Bantams.

Choice Exhibition nad Breeding Birds For Sale, Stock unexcelled. Prices Reasonable for Quality

Mention LETTER. 6m Dec

C. B. FANT,

WRIGHT CITY, MISSOURI.

AGENT PACIFIC EXPRESS.

Breeder of Prize-Winning Strains of

PLYMOUTH ROCKS

—AND—

WYANDOTTES.

My breeding pens are composed of birds scoring from 92 to 95 points. Special rates over Pacific Express Lines. Write for just what you want. All correspondence answered promptly. Satisfaction guaranteed. Eggs $2 per 13. $5 per 39. Mention POULTRY LETTER. 1yApr.

"CHICAGO BELLE." The Winning Belle of the Chicago Show.

F. M. MUNGER,

DeKalb, Ills.

Plymouth Rocks, Wyandottes, White and Brown Leghorns

A SPECIALTY.

Twenty years a breeder of fancy poultry. Send stamp for my new Illustrated descriptive circular, showing matings and giving prices, also how to build a cheap, warm poultry house.

Mention LETTER. 1y July

EDINBURG POULTRY YARDS,

—EDINBURG, ILLS.,—

D. BROWNBACK, Proprietor.

Breeder of choice Langshans, Lt. Brahmas, B. B. R. Games and Bantams, W. C. B. Polish, S. C. W. Leghorns and Silver Duck-wing Game Bantams. Eggs $2 per 13; $5 per 39. Fowls for sale cheap, for quality. Circular free. Mention Poultry Letter. (1y March

---

COTTAGE POULTRY YARDS

B. C. THORNTON, Prop.,

STATION A. PHILADELPHIA, PA.

—Breeder of—

RED PILE GAME, B. B. RED GAME, PURE WHITE GAME AND BLACK GAME, ALL FIRST-CLASS BIRDS. Eggs $3 per setting. Mention LETTER. [3m Mar

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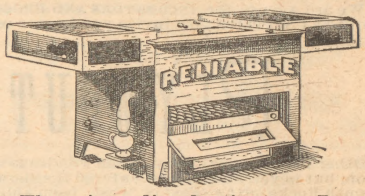
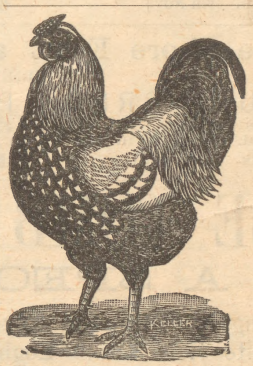


Those intending buying an Incubator will consult their own interest by at once writing to the

Reliable Incubator Co.,

DECATUR, ILLS.

Mention POULTRY LETTER. [Mar.



WYANDOTTES AND PARTRIDGE COCHINS.

My Wyandottes are direct from Preston, and every bird scoring 90 points or better and are noted for their heavy dark lacings, fine combs and symmetry.

My P. Cochins are pure William Tell strain and have rich color, fine penciling and heavy feathering on legs and toes.

Eggs: $3 per 13; $5 for 26.

No circulars. Write for wants. Satisfaction guaranteed. Address,

E. J. Schmidt,

3826 Vincennes Ave., CHICAGO, ILL.

Mention POULTRY LETTER. [1y Feb

Baker & Co. DESIGNERS AND **PHOTO ENGRAVERS ON WOOD.**

COR. CLARK & MONROE STS. CHICAGO.

DEALERS IN ENGRAVING TOOLS & ENGRAVERS OUTFITS.

ORDERS BY MAIL SOLICITED.

Fancy Poultry Exchange Commission House.

F. FRASIER & CO.,

(Successors to G. C. WHIPPLE & Co.)

No. 59 Market Street, Chicago, Ills.

We are the only house in Chicago that make a Specialty of all kinds of IMPROVED BREEDS OF POULTRY AND PETS. The business has been established for several years, but has never been put before the public. We take this method of informing every Breeder and Lover of Improved Poultry of our business. IF YOU WISH ANY KIND OF A CHICKEN YOU CAN GET IT HERE, OR IF YOU WISH TO SELL, WE CAN SELL ANYTHING YOU HAVE. We are General Agents for the IMPERIAL EGG FOOD, no Poultry raiser, no matter how large or small, should be without it, if you wish to have good healthy chickens. It is a great Tonic, and a preventative of all diseases. We have constantly on hand a large stock of OYSTER SHELL, SHELL MEAL, CRUSHED BONE AND BONE MEAL. The following are the prices:

Oyster Shell and Oyster Meal,

By barrel, about 250 lbs., 2½c per lb; by 100 lbs., 3c per lb; less than 100 lbs., 4c per lb.

Crushed Bone and Bone Meal,

By barrel, about 250 lbs., 4c per lb. Less than barrel, 5c per lb.

We are Agents for INCUBATORS AND BROODERS, and keep a full line of all kinds of POULTRY SUPPLIES. We invite you to give us a call. Mention LETTER, [1y Feb

PLYMOUTH ROCKS.

Other Breeders may boast of the wondrous scores and hundreds of prizes their birds have won, but never, since I first entered the Show-room with my birds, has any breeder of Plymouth Rocks, either East or West, been able to win from me either of the two most valuable prizes that are ever offered, viz: 1st on Breeding Pen; 1st on Cockerel. Let them magnify their victories as they may, not one show a record in any way approaching this.

Choice Exhibition Birds and Pedigreed Breeding Birds For Sale.

Have 1,400 of the Choicest Chicks in America for sale. Will mate Pairs, Trios and Breeding Pens to produce best results. ALSO EGGS THAT WILL PRODUCE PRIZE WINNING CHICKS. On receipt of 4 cents in stamps will send a beautiful little chromo of a pair of Plymouth Rocks. An elegant large, Illustrated Circular sent free to any address.

GEO. T. PITKIN,

Mention LETTER. [6m Nov] **61 Washington St., CHICAGO, ILL.**

Lake Shore Fruit and Poultry Farm!

—:BREED:—

THOROUGH-BRED PLYMOUTH ROCKS.

Single Bird $1.00 and $2.00. Trio $3.00 and $5.00. Eggs $1.00 per Setting. For Incubating $3.50 per hundred. ☞Fruits in their season.☜ Address

Mention LETTER. [6m Jan] **E. B. KETCHAM, South Haven, Mich.**

ROSE COMB LEGHORNS

A SPECIALTY.

I am breeding, in addition to Prize Winning Strains of Brown and White Rose Comb Leghorns at Chicago Show,

Buff and Partridge Cochins, Black and Mottled Javas, P. Rocks, Light Brahmas, B. B. R. Game Bantams.

Eggs, any variety, $2 per sitting.

M. LYLE, Palatine, Cook Co., Ill.

Mention POULTRY LETTER. | BOX 236. | 1y Feb

SUN RISE POULTRY YARDS,

WHEATON, ILLINOIS.

A. M. BALLOU & CO., Proprietors.

STANDARD CHICKS FOR SALE NOW.

Light Brahmas, Partridge Cochins, Black Cochins, Houdans, S. C. White Leghorns, Silver Breasted Polish, Prize Plymouth Rocks.

☞ Our Stock is the Very Best. ☜

Write for what you want and learn prices before buying elsewhere.

Mention POULTRY LETTER. 1y Sept

ITALIAN BEES.

Full Colonies of Bees shipped to any part of the United States or Canada, also Queens sent by mail and safe arrival guaranteed.

Standard Bee-Hives, Extractors, Smokers and Supplies generally,

Such as used by all our best Apiarists.

ILLUSTRATED CIRCULARS FREE.

A. H. DUFF,

Creighton, Guernsey Co., Ohio.

Mention Poultry Letter. 1y Nov

☞ *A VALUABLE BOOK* ☜

On plans for constructing nine sizes of Incubators, Moisture Aparatuses, Information on Incubation, Heat Regulators, Egg Turners, Etc., sent on receipt of 5 cents in stamps.

J. W. HILE, Valley Falls, Kansas.

Mention Poultry Letter. 2m March

MARTIN & MACY,

North Manchester, Ind.

Breeders of High-class Wyandottes, P. Rocks Brown Leghorns, W. C. B. Polish, and Light Brahmas. Pure Italian Bees and Queens, A full line of Bee-keepers' and Poultrymen's supplies. Send for Illustrated Catalogue.

Mention Poultry Letter. 3m March

Send 2-Cent Stamp for

ILLUSTRATED CATALOGUE OF

☞POULTRY CUTS!☜

Jas. M. Bryant,

708 Chestnut St., Philadelphia, Pa.

Mention POULTRY LETTER. 3mApl.

Eureka Poultry Yards

CORTLAND, N. Y.,

G. A. WILBER, Proprietor.

-BREEDER OF-

Brown and White

Rose Comb LEGHORNS Exclusively.

Chicks from this stock took First Premium at Madison Square in February, 1886. Eggs $1.50 per 15. Liberal discount on large orders. Fowls or eggs for sale at all times. 100 chicks for sale after September 1st. Nothing but first-class stock kept. 40 good fowls of last year's stock for sale.

Mention LETTER. [1y Sep

ALFRED DOYLE'S

LIGHT BRAHMAS

Winners at Chicago and St. Louis, 1885—1886. Eggs $3.00 for 13; $5.00 for 26. New circular free. Apl P. O. Address:

BLUE ISLAND, ILL.

Mention LETTER. (COOK CO.) Box 133.

ROCKINGHAM POULTRY FARM.

PLYMOUTH ROCKS. We keep 1,000 of these fowl exclusively. Our energy is directed to raising as fine, pure stock as possible. We never exhibit except at our yards. Our prizes and premiums are in our fowl. We spend our money in improving our stock, in place of exhibiting. Eggs and fowl for sale at all times. Eggs $3. per 13, Fowl, Single $5., Trio $13., Six for $20. A bottle of CYNOLINA given with every order for fowl; Set of CAPONIZING TOOLS given with $20. order.

CAPONIZING TOOLS of our own invention; 5 pieces with full instructions sent by mail for $2.50. Sample and price-list.

CYNOLINA. A new wash for fowl, dogs, cattle and all animals, positively ridding them of lice, ticks, fleas and all parasites. Will cure Roup and Mange. Harmless to Man or Beast. One bottle which makes 10 gallons, delivered anywhere for $1., six bottles for $5. Invaluable in Poultry Houses and Dog Kennels. Address

Rockingham Poultry Farm, No. Epping, N. H.

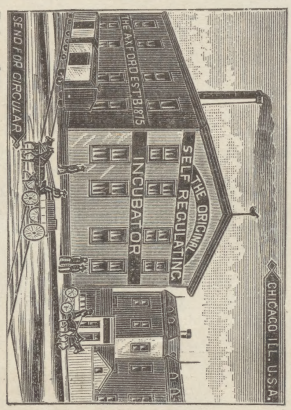
Mention Poultry Letter. [1y Feb

George F. Shoop,

DAUPHIN, PA.,

Importer and Exporter of fine fowls. Breeder of White Minorcas and English Pheasants only. White and Black Minorca eggs $4.50 per setting. I have nothing but imported stock. Wanted quick, to send to Europe, ten pullets and two cockerels White P. Rocks, name price.

Mention Poultry Letter. 3m March



Price, $20.00 and Upward. H. W. AXFORD.

Mention Poultry Letter, 3m March

EGGS from first-class Thoroughbred P. Rocks, S. C. B. Leghorns $1 per 13. Mammouth Bronze Turkeys $2 per setting. Rouen Ducks $1.50 per setting. Fowls for sale. Address, C. L. MARTIN,

Mention Letter. (6m Mar) Box 453, Freeport, Ills.

A VALUABLE BOOK

On plans for constructing nine sizes of Incubators. Latest improvements. Moisture apparatuses. Information on incubation, heat regulators, egg turners, etc., sent on receipt of 5 cents in stamps. Address,

J. W. Hile,

VALLEY FALLS, KANSAS.

Mention Poultry Letter. March

Derby Poultry Yards

A. W. CUMMINGS, Prop'r.

DERBY, - - - INDIANA,

—BREEDER OF

S. S. Hambugs, Plymouth Rocks,

W. F. B. SPANISH, PIT GAMES and B. B. R. GAME BANTAMS.

Circular Free. Mention LETTER. 1yApl.

Send a 2-cent stamp for my 24-page Illustrated Circular, which contains more valuable information to every Poultry Breeder than any book published in America. My strains of Plymouth Rocks, Wyandottes, Partridge Cochins, B. B. R. Game Bantams, and Pekin Ducks are the best in the country. My prices will please all. Before ordering birds or eggs elsewhere, *Read, Ponder and Be Wise.* Address

C. A. DOTY,

128 So. Halsted St., CHICAGO, ILL.

Mention Letter. 1y June

Food for Young Chicks and Turkeys. From the shell until feathered out is the great struggle of chicken life, is to complete the first stage successfully. Our food is just the article to meet this struggle. It is highly nutritious, has every element of growth for bone, feather, flesh and blood. Is composed of all the best grains, meat, blood and condiments for digestion and health. Is kiln dried and ground into a meal that will keep sweet for years, is cheep and is the perfect food for the first four weeks. Also the most complete egg food for laying hens. Best now in the market. Write for Circulars.

AUTOMATIC ELECTRIC CO., ELMIRA, N. Y.

Mention Poultry Letter. Jan

Mapleshade * Farm * Poultry * Yards!

J. E. PFINGSTON, Proprietor.,

ODELL, - - - ILLINOIS.

Breeder of high-class fowls. W. Wyandottes, fine birds, 4 grand yards. Eggs $3.50-13. Laced Wyandottes, none better to be had. Eggs $2-13; $5-39. Dark Brahmas (Earle strain), best laying and Prize winning strain known. Eggs $3-13. Cayuga Ducks, Eggs $2-11. Narragansett Turkeys, large as Bronze, hardy and quiet. Eggs $2.50-9. White and Laced Wyandottes Cockerels and Cayuga Drakes for sale. Circular out in February.

Mention Poultry Letter. 1y Jan

"PER ASPERA AD ASTRA."

BUFF COCHINS

"OLD GOLD" STRAIN.

At great Atlanta Show my Buffs took 1st on Cockerel; 1st on Hen; 1st and 2d on Pullets; 1st on Breeding Pen; and Special for highest scoring pair. FOUR GOLD MEDALS AWARDED TO ME. The greatest record ever made. B. N. Pierce, judge.

6 - Grand Yards this Season. - 6

Eggs $4 per 13; 3 sittings for $10.

One yard of first-class Wyandottes, Eggs $2.50 per 13.

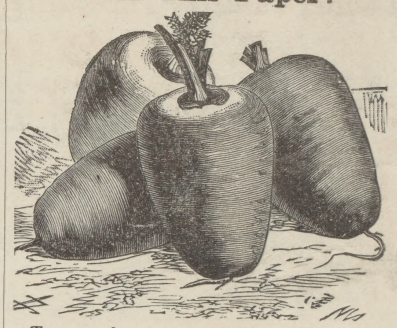
☞Send stamp for matings.

F. E. SCHEEL, Belleville, Ill.

Mention Poultry Letter. 1y April

Seeds or Books Free

With This Paper!



To any of our subscribers or any other person we will send, for only

$1.35

The Chicago Poultry Letter

AND THE

FARM, FIELD AND STOCKMAN,

both one year, and in addition we will present the subscriber with his choice of either 20 WELL FILLED PACKETS OF SEEDS or 15 PAPER-BOUND BOOKS.

The Seeds

are mostly new and rare novelties, the object being to introduce new and improved varieties. There are over 100 varieties to select from, comprising the rarest flowers and vegetables, and new varieties of thoroughbred grain, either imported from the best special sources of Europe or purchased from the originator in this country, especially for this distribution. Twenty packets of seeds of like quality cannot be bought at retail for less than $1.50

The Books

are all paper-bound but neatly printed, and comprise a very select collection of useful works, complete novels, etc., for old and young, many of them finely illustrated. There are over 100 in the list to select from.

The *Farm, Field and Stockman* is doubtless well known to our readers. Since its present publishers, Gen. C. H. Howard and Jas. W. Wilson, took it in hand it has been second to none of its class. It is an ably edited, neatly printed, reliable, 4-column, 16-page, agricultural and family weekly, and a staunch advocate of farmers' rights—a paper every farmer wants. Price $1.50 a year.

Send the money to this office, and we will promptly forward the paper and an illustrated descriptive list of the above books and seeds, with full directions for planting the latter, from which a selection can be made; or, if you want to make the selection first, a list will be sent you free on application to the *Farm, Field and Stockman*, Chicago. This is indeed an unparalleled offer.

LINDELL'S WYANDOTTES,

Known as the "Silver Lace Strain," ARE PURE and of superior quality.

EGGS from birds that score **87½ to 94** points, by **Pierce and Bicknell,** at $3.00 per 13; $5.00 per 26. Orders booked now.

☞ Choice Breeding Trio, $10.00. ☜

Satisfaction guaranteed.—My birds have won at Chicago, Ill., Shelbyville, Rushville and Carbondale, Ind., Madison, Wis., Etc.

Box, 771. Mention Letter. 1yMy **LAEL E. LINDELL, Englewood, Ill.**

WYANDOTTES AND LIGHT BRAHMAS

Parties can always rely on getting a good article if branded Wright.

EGGS,

$2.00 per 13.

WILL D. WRIGHT,

Mention LETTER. My. **BREMEN, IND.**

J. B. FOOT,

NORWOOD PARK, COOK CO., ILLINOIS.

My New Record at the Great Poultry Exhibition held at Chicago, Ills., November 9th to 19th, 1886. **Read the Record of my Brahmas and Wyandottes.** In Brahmas no person has been able to win from me the three most valuable Prizes at the Great Shows; viz: **1st on Breeding Pen, 1st on Cock, 1st on Hen. Also,** I won 1st and 4th on Cockerels; 3d and 5th on Hens; 3d on Pullet—212 Brahmas on exhibition and 14 Breeding Pens. **See my Great Record on Wyandottes: 1st on Breeding Pen, 1st on Cockerel, 2d on Cock** (highest scoring Cock in the Show), 5th on Hens.—140 Wyandottes on exhibition and 13 Breeding Pens. BUFF COCHINS:-1st on Cock; 1st, 2d, 4th and 5th on Hens; 3d on Pullet; 1st on Breeding Pen. (1st Prize Hen scored 97½, calling her full on weight). LANGSHANS:-Two pair showed 5th on Cockerel, 4th on Pullet. WHITE LEGHORN:-2d on Cock. BRONZE TURKEYS:-4th on Cock, 2ndon Cockerel, 1st on old Hen (weight 22 pounds), 1st and 2d on young Hens. TOULOUSE GEESE:-2d and 4th on Ganders, 2d and 4th on Geese. **Send 2c stamp for my 8 page Illustrated Circular.** Mention this paper.

1y Feb

J. D. NEVIUS. | | WM. J. EPTING.

SWARTHMORE POULTRY YARDS,

J. D. NEVIUS & CO.,

IMPORTERS AND BREEDERS OF

High Class, Pure English Black and White MINORCAS, Light Brahmas, Buff Cochins, White Wyandottes, White Plymouth Rocks, La Fleche, Courtes Patties, Pekin and Japanese Bantams.

We are making monthly importations of Black and White Minorcas from which we can spare a few choice Fowls and Chicks, also a few Choice Light Brahmas, Buff Cochins and Pekin Bantams. Eggs in season from Imported and Prize Winning Birds. Orders now being booked for delivery after January 1st, 1887.

☞ *Send Stamp for Illustrated Catalogue.* ☜

YARDS, Swarthmore, Del. Co., Pa.

1y Dec] **OFFICE, 204 Walnut Place, Phila., Pa.**

THE STANDARD OF EXCELLENCE.

The only true guide to successful poultry breeding when breeding for fancy. Price $1.00 per copy. Address,

J. L. S. HALL, M. D., 1605 West 47th St., CHICAGO, ILL.